



Lab Consumables & Equipments



2022-2023

Essential to Science

ThermoFisher
SCIENTIFIC



Thermo Scientific Liquid Handling Consumables

**Discover why more laboratories rely on
Thermo Scientific liquid handling solutions...**

This catalog is designed to help you select the best products to meet virtually any laboratory requirement. From handheld pipetting and automated liquid handling to PCR consumables and more – this resource makes it easy to meet your application challenges with a complete portfolio of industry-leading Thermo Scientific and Molecular BioProducts offerings.

For additional information, contact your sales representative or visit
www.thermoscientific.com/handleanything



Handheld Pipetting – Finnipette Pipetter and Finn Tips**Handheld Pipetting**

Pipetting Techniques	6
Pipetting Dos and Don'ts	7
ClipTip™ Technology	8
Thermo Scientific™ F1-ClipTip™ and ClipTip™ Pipette Tips	12
Thermo Scientific™ E1-ClipTip™ Electronic Pipettes and ClipTip™ Pipette Tips	20
Thermo Scientific™ E1-ClipTip™ Bluetooth Pipettes	22
Thermo Scientific™ Finnipette™ F1 Single Channel Pipettors	23
Thermo Scientific™ Finnipette™ F1 GLP Kits	25
Thermo Scientific™ Finnipette™ F2 Single & Multi Channel Pipettors	26
Thermo Scientific™ Finnipette™ F2 GLP Kits	28
Thermo Scientific™ Finnipette™ Digital Pipettes	29
Thermo Scientific™ Finnipette™ F3 Single Channel Pipettors	30
NABL Pre-calibrated Pipettes	32
Thermo Scientific™ Finntip™ Stepper Tips	33
Thermo Scientific™ Finntip™ Multistep Pipette Tips	34
Thermo Scientific™ Finnipette™ Novus Single Channel Electronic Pipettors	35
Thermo Scientific™ Finnipette™ Novus Multichannel Electronic Pipettors	36
Thermo Scientific™ Finnipette™ Novus GLP Kits	37
Thermo Scientific™ Finnipette™ Dispensers	38
Thermo Scientific™ Finnipette™ Accessories	39
LabServ™ Bottle Top Dispensers	40
Thermo Scientific™ Matrix™ Serological Pipette Filler	42
Thermo Scientific™ Matrix™ Pipette Accessories	43
Thermo Scientific™ Reagent Reservoirs	44
Thermo Scientific™ Finntip™ Compatibility Chart	45
The Importance of Pipette Tip Quality	46
Thermo Scientific™ Finntip™ Pipette Tips	48
Thermo Scientific™ Finntip™ Extended Length Pipette Tips	50
Thermo Scientific™ Finntip™ Wide Orifice Pipette Tips	51
Thermo Scientific™ Finntip™ BioCon Pipette Tips	52
Thermo Scientific™ Finntip™ Filter Pipette Tips	53
Thermo Scientific™ Finntip™ Flex Pipette Tips	54
Thermo Scientific™ Finntip™ Flex Filter Pipette Tips	56
LabServ™ Tips & Microcentrifuge Tubes	57
Thermo Scientific™ QSP Tip	58
Thermo Scientific™ QSP LR Tips	61
384-Well Pipetting	63
Thermo Scientific™ Matrix™ Pipette Tips	65
Thermo Scientific™ ART™ Non filter Pipette Tips	66
Thermo Scientific™ ART™ Barrier Tips with MicroPoint Design	68
Thermo Scientific™ ART™ Barrier / Non Filter Specialty Tips	70
ART™ & HLT Tip Compatibility with Eppendorf Pipette	73
Molecular BioProducts Pipette Tips Compatibility Chart	74

Microcentrifuge Tube and Racks

Thermo Scientific™ Electroporation Cuvettes	84
The Importance of a High-Quality Microcentrifuge Tube	85
Thermo Scientific™ Snap Cap Low Retention Microcentrifuge Tubes	87
Thermo Scientific™ Screw Cap Tubes	88
Thermo Scientific™ Conical Microcentrifuge Tubes	88
Thermo Scientific™ Free Standing Microcentrifuge Tubes	89
Thermo Scientific™ Screw Caps	89
Thermo Scientific™ Specialty Tubes	90
Thermo Scientific™ Microtiter Tube Racks	90
Thermo Scientific™ Storage Racks	91
Thermo Scientific™ Reversible Microtube Racks	91
Thermo Scientific™ Flipper Racks	92
Thermo Scientific™ Four-Way Flipper Racks	92
Thermo Scientific™ Cryogenic Racks with Lid	92
Thermo Scientific™ DNA AWAY™ Surface Decontaminant	93
Thermo Scientific™ RNase AWAY™ Surface Decontaminant	93

Automated Liquid Handling Consumables

Thermo Scientific™ Matrix™ D.A.R.T.s™ Tips	96
Thermo Scientific™ PocketTip D.A.R.T.s™ Automation Tips	98
Thermo Scientific™ Matrix™ Disposable Automation Reservoirs	99
Thermo Scientific™ BioRobotix ART™ Filter Tips for Automated Workstations	100
Thermo Scientific™ BioRobotix Pipet Tips, Standard, Black	102
Thermo Scientific™ BioRobotix Pipette Tips: Standard, Natural, Nonsterile	103
Thermo Scientific™ epMotion style Automation Pipette Tips	105
Thermo Scientific™ Multidrop Combi nL Reagent Dispenser	107
Thermo Scientific™ Multidrop Pico™ 1 and 8 Digital Dispenser	108
Thermo Scientific™ Multidrop Combi reagent dispenser	109

Calibration and Servicing

Thermo Scientific™ Pipette Lab NABL Calibration Services	111
The benefits of routine pipette preventive maintenance and calibration	112
Spare part for Thermo Scientific™ FinnpiPETTE™ F1 Single Channel	116
Spare part for Thermo Scientific™ FinnpiPETTE™ F1 Multichannel	117
Spare part for Thermo Scientific™ FinnpiPETTE™ F2 (Autoclavable) Single Channel	119
Spare part for Thermo Scientific™ FinnpiPETTE™ F2 (Autoclavable) Multichannel	120
Service of Thermo Scientific™ FinnpiPETTE™	122
Spare Part Prices for Liquid Handling Products	123

Personal & Environmental Protection

Apparel	142
Gloves	143
Disinfectant	144
Swabs	148

Every Lab Every Day

Thermo Scientific™ Incubators & Ovens	150
Thermo Scientific™ Rockers, Rotators & Mixers	151
Thermo Scientific™ Drybaths / Block Heaters	152
Thermo Scientific™ MaxQ™ Shaker	153
Thermo Scientific™ Hot Plate Stirrers & Magnetic Stirrers	154
Thermo Scientific™ Savant DNA SpeedVac® Concentrators	155

Electrophoresis

Thermo Scientific Owl EasyCast B1A Mini Gel Electrophoresis Systems	157
Thermo Scientific Owl EasyCast B1 Mini Gel Electrophoresis Systems	159
Thermo Scientific Owl EasyCast B2 Mini Gel Electrophoresis Systems	161
Thermo Scientific Owl EasyCast B3 Gel System with Built-In Recirculation	163
Thermo Scientific Owl D3-14 Horizontal Electrophoresis System	165
Thermo Scientific Owl A1 Large Gel Systems	166
Thermo Scientific Owl A2 Large Gel Systems	167
Thermo Scientific Owl P81 Single-Sided Vertical Electrophoresis System	168
Thermo Scientific Owl P82 Dual-Gel Electrophoresis System	169
Thermo Scientific Owl P8DS Dual-Gel Vertical Electrophoresis System	170
Thermo Scientific Owl EC-105 Compact Power Supply	171
Thermo Scientific Owl P82 Dual Gel System Replacement Parts	171
Thermo Scientific Owl EC-200XL High Current Power Supply	172
Thermo Scientific Owl EC-1000XL Programmable Power Supply	172

Fisher Scientific™ Traceable™ Products

Fisher Scientific™ Traceable™ Thermometers	175
Fisher Scientific™ Traceable™ Hygrometers	189
Fisher Scientific™ Traceable™ Timers	193
Fisher Scientific™ Traceable™ Clocks	199
Fisher Scientific™ Traceable™ Stopwatches	200
Fisher Scientific™ Traceable™ Barometers	201
Fisher Scientific™ Traceable™ Certified Reference Materials (CRM)	202
Fisher Scientific™ Traceable™ Pumps	203

Laboratory Equipment

Centrifugation	208
Cold Storage Portfolio	210
fisherbrand Ultrasonic Baths	212
Thermo Scientific™ Thermal Mixer	213
Fisher Scientific™ Sonic Dismembrators	213
Fisher Scientific™ Vacuum Pumps	214
Vacuum Systems	215

Terms & Conditions

Terms & Conditions	216
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Handheld Pipetting

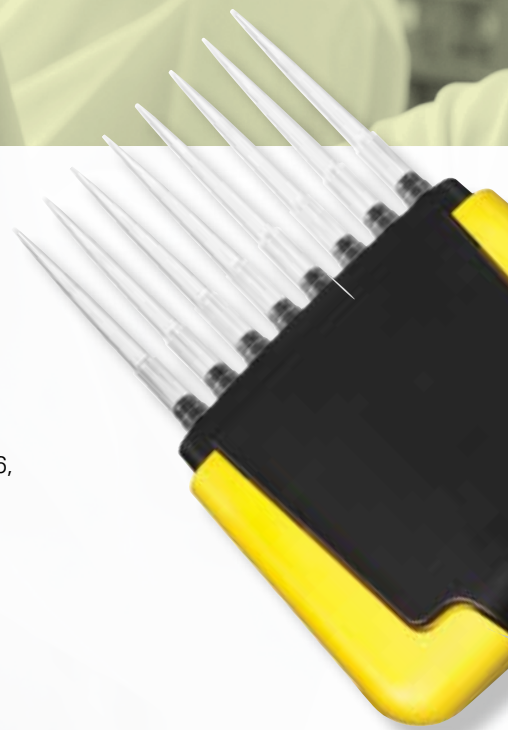
Proven leadership in the palm of your hand.

For 40 years, we have led the way in liquid handling and handheld pipetting products. Advanced ergonomics, dependable accuracy and precision, uncompromised safety – all are the hallmarks of our innovative product design. In 1971, we introduced the Thermo Scientific Finnpipette pipetter, the world's first continuously variable micropipetter. In 1976, we introduced the world's first multichannel pipetter. Since then, we have continuously enhanced our products to meet any pipetting challenge across the widest range of liquid handling applications.

Thermo Scientific Matrix pipetters are ergonomically designed to enhance user comfort and productivity while assuring accuracy of results. Thermo Scientific Matrix pipette tips and reservoirs are carefully designed to complement our pipetters, providing maximum performance and superior results. For the latest news and information regarding good laboratory pipetting, visit www.thermoscientific.com/GLP

With Molecular BioProducts (MBP) products, you can now choose from the largest selection of pipette tips in the world for virtually all of the leading pipetter brands in the industry.

For additional information about Thermo Scientific pipetting solutions, visit **thermoscientific.com/handleanything**



Handheld Pipetting



Handling Pipettes

Pipetting Techniques	6
Pipetting Dos and Don'ts	7
ClipTip™ Technology	8
Thermo Scientific™ F1-ClipTip™ and ClipTip™ Pipette Tips	12
Thermo Scientific™ E1-ClipTip™ Electronic Pipettes and ClipTip™ Pipette Tips	20
Thermo Scientific™ E1-ClipTip™ Bluetooth Pipettes	22
Thermo Scientific™ Finnpipe™ F1 Single Channel Pipettors	23
Thermo Scientific™ Finnpipe™ F1 GLP Kits	25
Thermo Scientific™ Finnpipe™ F2 Single & Multi Channel Pipettors	26
Thermo Scientific™ Finnpipe™ F2 GLP Kits	28
Thermo Scientific™ Finnpipe™ Digital Pipettes	29
Thermo Scientific™ Finnpipe™ F3 Single Channel Pipettors	30
NABL Pre-calibrated Pipettes	32
Thermo Scientific™ Finntip™ Stepper Tips	33
Thermo Scientific™ Finntip™ Multistep Pipette Tips	34
Thermo Scientific™ Finnpipe™ Novus Single Channel Electronic Pipettors	35
Thermo Scientific™ Finnpipe™ Novus Multichannel Electronic Pipettors	36
Thermo Scientific™ Finnpipe™ Novus GLP Kits	37
Thermo Scientific™ Finnpipe™ Dispensers	38
Thermo Scientific™ Finnpipe™ Accessories	39
LabServ™ Bottle Top Dispensers	40
Thermo Scientific™ Matrix™ Serological Pipette Filler	42
Thermo Scientific™ Matrix™ Pipette Accessories	43
Thermo Scientific™ Reagent Reservoirs	44
Thermo Scientific™ Finntip™ Compatibility Chart	45

Pipettes Tips

The Importance of Pipette Tip Quality	46
Thermo Scientific™ Finntip™ Pipette Tips	48
Thermo Scientific™ Finntip™ Extended Length Pipette Tips	50
Thermo Scientific™ Finntip™ Wide Orifice Pipette Tips	51
Thermo Scientific™ Finntip™ BioCon Pipette Tips	52
Thermo Scientific™ Finntip™ Filter Pipette Tips	53
Thermo Scientific™ Finntip™ Flex Pipette Tips	54
Thermo Scientific™ Finntip™ Flex Filter Pipette Tips	56
LabServ™ Tips & Microcentrifuge Tubes	57
Thermo Scientific™ QSP Tip	58
Thermo Scientific™ QSP LR Tips	61
384-Well Pipetting	63
Thermo Scientific™ Matrix™ Pipette Tips	65
Thermo Scientific™ ART™ Non filter Pipette Tips	66
Thermo Scientific™ ART™ Barrier Tips with MicroPoint Design	68
Thermo Scientific™ ART™ Barrier / Non Filter Specialty Tips	70
ART™ & HLT Tip Compatibility with Eppendorf Pipette	73
Molecular BioProducts Pipette Tips Compatibility Chart	74

Pipetting Techniques



Choose the right pipetting technique based on your application and type of liquid. These techniques can be performed with manual and electronic pipettes.

Forward pipetting

- For aqueous solutions: buffers, diluted acids or alkalis
- Pipetting and mixing a sample or reagent into another liquid

Ready position	1	2	3	4
First stop	↓	↑	↓	↑
Second Stop			↓	↑

1. Press the operating button to the first stop.
2. Slowly release the operating button.
3. Dispense the liquid by gently pressing the operating button to the first stop and then to the second stop.
4. Release the operating button to the ready position.

Reverse pipetting

- Pipetting solutions with a high viscosity or a tendency to foam
- Small volume dispensing

Ready position	1	2	3	4	5
First stop	↓	↑	↓		↑
Second Stop	↓	↑		↓	↑

1. Press the operating button to the second stop.
2. Slowly release the operating button.
3. Dispense the liquid to the first stop. Hold the button in this position.
4. The liquid remaining in the tip can be pipetted back into the original solution or to a waste receptacle.
5. Release the operating button to the ready position.

Repetitive pipetting

- Repeated pipetting of the same volume

Ready position	1	2	3	4
First stop	↓	↑	↓	↑
Second Stop	↓	↑		

1. Press the operating button to the second stop.
2. Slowly release the operating button.
3. Dispense the liquid to the first stop. Hold the button in this position.
4. Continue aspirating liquid by slowly releasing the operating button. Repeat steps 3 and 4 as long as needed.



Ready position



First step

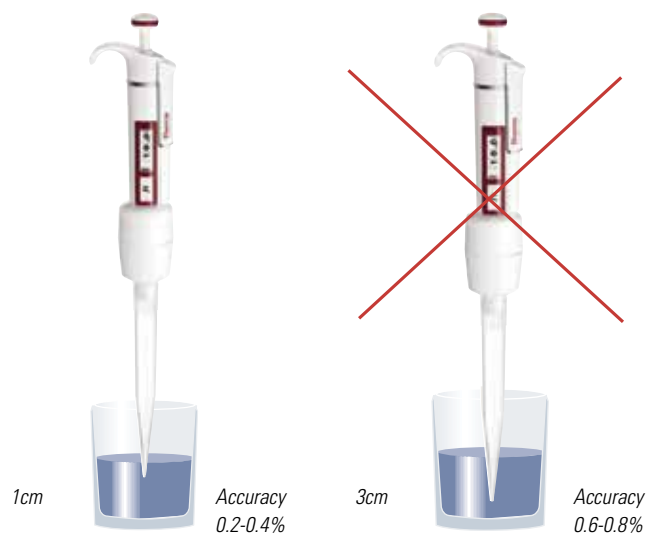


Second step

Pipetting Dos and Don'ts

Dos

- ✓ Always take a tip from a tip rack
- ✓ Pre-rinse the pipette tip three to five times
 - improves accuracy
 - especially important with volatile compounds
- ✓ Immerse the tip about 1 cm into the liquid while aspirating



- ✓ Release the operating button slowly
- ✓ Choose the right pipetting technique for the application and type of liquid
- ✓ Use a stand to store the pipettes in an upright position to keep them in good condition
- ✓ Service the pipette every three months if used daily

Don'ts

- ✗ Do not attach the tip by hand, even with gloves
- ✗ Do not turn the pipette on its side when there is liquid in the tip
- ✗ Do not clean pipette tips for reuse, as their metrological characteristics will no longer be reliable
- ✗ Don't contaminate you or the pipette. Always use the tip ejector





Breakthrough Clip Tip technology

► Visit thermoscientific.com/cliptip for application notes, product specifications and videos to watch the F1-ClipTip pipetting system in action!

Achieve newfound confidence with the Thermo Scientific™ Clip Tip™ pipetting system that lock tips firmly in place so they will not loosen or fall off, regardless of application pressure. You can actually feel the tips lock firmly in place with a light touch. This makes daily pipetting a totally new experience. No more banging tips on your pipette to ensure that the tips are properly attached and sealed.

Worry-free pipetting is finally here. with the only tip that clips.

- **Eliminate the frustration of banging tips on your pipette**

With a light touch, each tip is 'clipped' securely on the pipette.

- **Reduce the risk of loose or leaking tips**

When ClipTip pipette tips are on, they are sealed and will not loosen. The ClipTip pipetting system remains sealed until you decide to eject tips, even in the most comprehensive applications, including multiple tip touches and mixing cycles.

- **Enable consistent and reproducible pipetting from user to user**

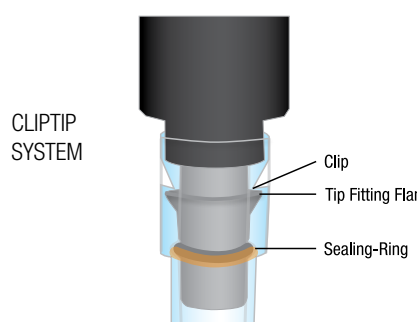
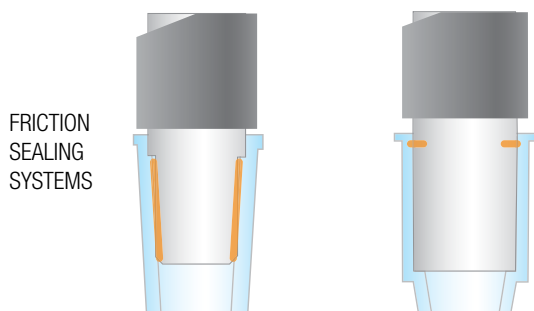
Higher-quality results and more efficient research.

- Manual Pipettes
F1-ClipTip Pipettes
- Electronic Pipettes
E1-ClipTip Pipettes
- ClipTip Pipette Tips

You'll feel the difference the first time you use the NEW Thermo Scientific ClipTip pipetting system.

It is a challenge to ensure a quality seal in daily pipetting.

The ideal solution is for the pipette and tip to form a system that increases confidence in reproducibility, reduces forces required to attach and detach the system, and secures the best possible accuracy and precision.



Pipettes with a friction-seal system rely on a user's force to attach tips to the pipette, which varies from user to user.

- Increased tip attachment and ejection forces
- Loose tips that can drop off or leak air
- Decreased confidence in reproducibility of results
- Premature tip cone wear

- Extremely low tip attachment and ejection forces
- Complete seal on every channel
- No loose tips
- Reproducibility you can count on



Manual Pipettes

feel the difference with
F1-ClipTip Pipettes



Visit thermoscientific.com/cliptip
for application notes, product specifications
and videos to watch the F1-ClipTip pipetting
system in action!

- **Maintain precise sample volumes on every channel¹**

Whether you're using a single or multichannel pipette, the F1-ClipTip pipetting system ensures a complete seal on every channel for precise sample volumes, saving valuable time to accelerate your discoveries.

- **Attach tips easily to help reduce strain injuries²**

No longer bang tips onto your pipette. With a light touch each tip is 'clipped' securely on the F1-ClipTip pipette and remains sealed until you decide to eject tips.

- **A complete tip seal for confidence in your results¹**

The F1-ClipTip system enables consistent and reproducible pipetting from user to user.

¹ Thermo Scientific ClipTip Technology – Part 2 Secure Seals for Every Channel

² Thermo Scientific ClipTip Technology – Part 3 Reduce the Risk of Repetitive Strain Injury (RSI)

Ergonomic design

Silent Effortless volume adjustment, low attachment, ejection, and plunger forces for safe and comfortable use

Remarkably lightweight

Modern design further minimizes the risk of repetitive strain injuries (RSI)¹

Adjustable comfort

The 120° adjustable finger rest — for both right- and left-handed operator comfort — allows the hand to relax during pipetting cycles

Patented soft-touch tip ejection

Innovative gearing mechanism produces more downward force with less effort, releasing tips with a gentle push

Patented super blow-out²

150% increase in air boost to ensure efficient delivery of micro-volumes and prevent capillary action

Volume lock adjustment

The secure volume setting prevents undesirable volume drift during operation

Industry-leading lifetime warranty*

With convenient online registration

CE marked

The F1-ClipTip Pipetting System is CE marked in accordance with IVD Directive in Europe

¹ Thermo Scientific ClipTip Technology – Part 3 Reduce the Risk of Repetitive Strain Injury (RSI)
² Available in 50 l models and below.

* Thermo Scientific F1-ClipTip pipettes are to be free from defects in material and workmanship for a product lifetime (up to 10 years). Validity of lifetime warranty varies by country.

For more details, visit www.thermoscientific.com/pipetwarranty

Lifetime warranty applies for pipettes that have been registered (see warranty registration) and serviced by Thermo Fisher Scientific service provider annually.

Registered pipettes that have not been serviced by Thermo Fisher Scientific service provider will be honored with 5-year warranty.

Non-registered pipettes will be honored with 1-year warranty.

↓ **75%**

The F1-ClipTip pipetting system

can result in up to a 75% reduction in attachment force compared to friction-based systems.



Thermo Scientific™ F1-ClipTip™ and ClipTip™ Pipette Tips

Item No.	Description	Volume Range	Increment/Packaging	Color Code
2/10 µL Pipettes			Increment	
4641310N	F1-ClipTip 0.1-2 µL	0.1-2 µL	0.002 µL	●
4641320N	F1-ClipTip 1-10 µL	1-10 µL	0.02 µL	●
4661210N	F1-ClipTip 8-ch 1-10 µL	1-10 µL	0.02 µL	●
4661220N	F1-ClipTip 12-ch 1-10 µL	1-10 µL	0.02 µL	●
12.5 Ext µL Tips*			Packaging	
94410060	ClipTip 12.5 Ext	0.1-12.5 µL	Racked, 96 tips/rack, 10 racks/pack	●
94410063	ClipTip 12.5 Ext	0.1-12.5 µL	Racked, Sterile, 96 tips/rack, 10 racks/pack	●
94420063	ClipTip 12.5 Ext	0.1-12.5 µL	Racked, Filtered, Sterile, 96 tips/rack, 10 racks/pack	●
20 µL Pipettes			Increment	
4641180N	F1-ClipTip 2-20 µL	2-20 µL	0.02 µL	
20 µL Tips†			Packaging	
94410210	ClipTip 20	1-20	Racked, 96 tips/rack, 10 racks/pack	●
94410213	ClipTip 20	1-20	Racked, sterile, 96 tips/rack, 10 racks/pack	●
94410217	ClipTip 20	1-20	Reload tower, 96 tips/insert, 10 inserts/pack	●
94410218	ClipTip 20	1-20	Reload tower, sterile, 96 tips/insert, 10 inserts/pack	●
94420213	ClipTip 20	1-20	Racked, filtered, sterile, 96 tips/rack, 10 racks/pack	●
94420218	ClipTip 20	1-20	Reload insert, filtered, sterile, 96 tips/insert, 10 inserts/pack	●
50 µL Pipettes			Increment	
4641190N	• F1-ClipTip 5-50 µL	5-50	0.1 µL	
4661120N	• F1-ClipTip 8-ch 5-50 µL	5-50	0.1 µL	
4661160N	• F1-ClipTip 12-ch 5-50 µL	5-50	0.1 µL	
50 µL Tips			Packaging	
94410250	ClipTip 50	5-50	Racked, 96 tips/rack, 10 racks/pack	
94410253	ClipTip 50	5-50	Racked, sterile, 96 tips/rack, 10 racks/pack	
94410257	ClipTip 50	5-50	Reload tower, 96 tips/insert, 10 inserts/pack	
94410258	ClipTip 50	5-50	Reload tower, sterile, 96 tips/insert, 10 inserts/pack	
94420253	ClipTip 50	5-50	Racked, filtered, sterile, 96 tips/rack, 10 racks/pack	
94420258	ClipTip 50	5-50	Reload insert, filtered, sterile, 96 tips/insert, 10 inserts/pack	
100 µL / 200 µL Pipettes			Increment	
4641200N	F1-ClipTip 10-100 µL	10-100	0.2 µL	
4641210N	F1-ClipTip 20-200 µL	20-200	0.2 µL	
4661130N	F1-ClipTip 8-ch 10-100 µL	10-100	0.2 µL	
4661170N	F1-ClipTip 12-ch 10-100 µL	10-100	0.2 µL	
200 µL Tips			Packaging	
94410310	ClipTip 200	10-200	Racked, 96 tips/rack, 10 racks/pack	
94410313	ClipTip 200	10-200	Racked, sterile, 96 tips/rack, 10 racks/pack	
94410317	ClipTip 200	10-200	Reload tower, 96 tips/insert, 10 inserts/pack	
94410318	ClipTip 200	10-200	Reload tower, sterile, 96 tips/insert, 10 inserts/pack	
94420313	ClipTip 200	10-200	Racked, filtered, sterile, 96 tips/rack, 10 racks/pack	
94420318	ClipTip 200	10-200	Reload insert, filtered, sterile, 96 tips/insert, 10 inserts/pack	
300 µL Pipettes			Increment	
4641220N	F1-ClipTip 30-300 µL	30-300	1 µL	
4661140N	F1-ClipTip 8-ch 30-300 µL	30-300	1 µL	
4661180N	F1-ClipTip 12-ch 30-300 µL	30-300	1 µL	
300 µL Tips			Packaging	
94410510	ClipTip 300	30-300	Racked, 96 tips/rack, 10 racks/pack	
94410513	ClipTip 300	30-300	Racked, sterile, 96 tips/rack, 10 racks/pack	
94410517	ClipTip 300	30-300	Reload tower, 96 tips/insert, 10 inserts/pack	
94410518	ClipTip 300	30-300	Reload tower, sterile, 96 tips/insert, 10 inserts/pack	
94420513	ClipTip 300	30-300	Racked, filtered, sterile, 96 tips/rack, 10 racks/pack	
94420518	ClipTip 300	30-300	Reload insert, filtered, sterile, 96 tips/insert, 10 inserts/pack	
94410610	ClipTip 300 Ext	30-300	Racked, 96 tips/rack, 8 racks/pack	
94410613	ClipTip 300 Ext	30-300	Racked, sterile, 96 tips/rack, 8 racks/pack	
Item No.	Description	Volume Range	Increment/Packaging	Color Code

* CT 12.5 Ext tips and compatible F1-ClipTip pipettes utilize 'snap and seal' technology.

All ClipTip pipette tips are low retention except for the CT12.5, CT12.5 Ext and 384-format tips.

† CT20 tips are also used with old F1-ClipTip 1-10µl pipette models with catalogue numbers 4641170N, 4661110N, 4661150N and 4651190N.

300 µL Tips			Packaging	
94410617	ClipTip 300 Ext	30-300	Reload tower, 96 tips/insert, 10 inserts/pack	
94420613	ClipTip 300 Ext	30-300	Racked, filtered, sterile, 96 tips/rack, 8 racks/pack	
1000 µl Pipettes			Increment	
4641230N	F1-ClipTip 100-1000 µl**	100-1000 µl	1 µl	●
1000 µl Tips			Packaging	
94410710	ClipTip 1000	100-1000 µl	Racked, 96 tips/rack, 8 racks/pack	●
94410713	ClipTip 1000	100-1000 µl	Racked, Sterile, 96 tips/rack, 8 racks/pack	●
94410717	ClipTip 1000	100-1000 µl	Reload Stacks, 96 tips/insert, 8 inserts	●
94410718	ClipTip 1000	100-1000 µl	Reload Stacks, sterile, 96 tips/insert, 8 inserts	●
94420713	ClipTip 1000	100-1000 µl	Racked, Filtered, Sterile, 96 tips/rack, 8 racks/pack	●
94420718	ClipTip 1000	100-1000 µl	Reload, Filtered, Sterile, 96 tips/insert, 8 inserts/pack	●

** Short Shaft

Fixed Volume Pipettes


Item No.	Description	Volume Range	Color Code
4651280N	F1-ClipTip 10 µl	10 µl	●
4651200N	F1-ClipTip 20 µl	20 µl	●
4651210N	F1-ClipTip 25 µl	25 µl	●
4651220N	F1-ClipTip 50 µl	50 µl	●
4651230N	F1-ClipTip 100 µl	100 µl	●
4651240N	F1-ClipTip 200 µl	200 µl	●
4651250N	F1-ClipTip 250 µl	250 µl	●
4651260N	F1-ClipTip 500 µl**	500 µl	●
4651270N	F1-ClipTip 1000 µl**	1000 µl	●

** Short Shaft

▶ Go to thermoscientific.com/cliptip for additional specifications for the **F1-ClipTip Pipettes** or the **ClipTip Pipette Tips**

- 2 µL/10 µL / 12.5 µL/ 20 µL
- 30 µL/ 50 µL
- 100 µL/ 125 µL/ 200 µL
- 300 µL
- 850 µL/ 1000 µL

Good Laboratory Pipetting Kits

Item No.	Description	Contents of Kit	
4701140N	F1-ClipTip GLP Kit 1	F1-ClipTip 1-10 µl single channel F1-ClipTip 10-100 µl single channel F1-ClipTip 100-1000 µl single channel F-Series Stand ClipTip 20 rack ClipTip 200 rack ClipTip 1000 rack 25 ml reservoir 25 ml divided reservoir 100 ml divided reservoir	 F1-ClipTip GLP Kit 2
4701150N	F1-ClipTip GLP Kit 2	F1-ClipTip 2-20 µl single channel F1-ClipTip 20-200 µl single channel F1-ClipTip 100-1000 µl single channel F1-ClipTip 30-300 µl 8-channel F-Series Stand ClipTip 20 rack ClipTip 200 rack ClipTip 300 rack ClipTip 1000 rack 25 ml reservoir 25 ml divided reservoir 100 ml divided reservoir	

Accessories

Item No.	Description	Increment/Packaging	Color Code
94410219	Empty Rack, Small	10 racks, no tips/inserts	● ●
94410519	Empty Rack, Medium	10 racks, no tips/inserts	● ●
94410819	Empty Rack, Large	8 racks, no tips/inserts	●

Electronic Pipettes

feel the difference with E1-ClipTip Pipettes



▶ See it in action at:
thermoscientific.com/clipTip

- **An ideal solution for complex protocols**

When combined with interlocking ClipTip technology, the electronic pipetting action and flexible user interface of the E1-ClipTip System enable efficient use of precious time and resources.

- **Electronic operation helps you enjoy pipetting again**

Designed for optimum comfort and ease of use, the electronic tip ejection and index finger pipetting action let your thumb relax during pipetting.

- **A perfect choice for sample transfers between various labware formats**

Adjustable tip spacing allows you to set the distance between tips simply by sliding the scale to expand and contract to your desired setting. This means fewer repetitions for multiple applications..

- **Ideal operation for multiple users and environments**

Personalized user interface and password protection ensure unified operation among multiple users.

Store up to 20 programs

The programs function allows you to store 20 of your most common protocols with a specific name

A pipette for multiple applications

Choose from single channels, 8–16 channel multichannels, or 6–12 channel adjustable tip spacing multichannel pipettes within the volume range of 0.5–1250 µl

Track your pipette

Service and calibration trackers remind you when the pipette needs to be re-calibrated or sent for service

Liquid specific calibrations

Higher quality results with liquid-specific Calibrations

Li-Ion battery

Quickly recharge for long-lasting performance

Convenient recharging

Choose to recharge your pipette on the stand or with just a cord — the choice is your

Two year extended warranty

With convenient online registration

Enjoy pipetting again



When all the ergonomic elements below are combined, pipetting is a comfortable, safe, and enjoyable experience.

- Electronic index finger pipetting action minimizes thumb strain
- Adjustable finger rest ensures optimal pipetting position for both left and right-handed users
- Electronic tip ejection makes tip ejection effortless, and intuitive user interface prevents any accidental tip ejection whenever there is liquid inside tips
- Rotation display, unique multichannel ski boot design, and short single-channel barrel maximize comfort by offering visibility and a neutral pipetting position in any working environment

* E1-ClipTip electronic pipettes are warranted to be free from defects in material and workmanship for a period of two years from date of purchase. Two-year warranty applies for pipettes that have been registered, one-year warranty for non-registered. To register the pipette and for more information, visit www.thermoscientific.com/pipettewarranty

Sample transfers have never been this simple

Do sample transfers require several different pipette models and take up too much time?



Equalizer window set to '384' to pipette onto 384-microplate

Equalizer window set to '48 MCT' to pipette on MCT tubes or 48-well microplates

Perform sample transfers between virtually any tube, rack, microplate, or horizontal gel box. Adjustable tip spacing allows you to set the distance between tips simply by sliding the scale to expand and contract to your desired setting. The unique equalizer window links the tip spacing scale to the particular application. This means fewer repetitions for multiple applications.

Transfer multiple samples between different lab formats at once
one pipette \ one movement \ one press of the trigger

Increased research efficiency and quality

Over **90%** time savings and less repetitions compared to single channel pipettes*



*Compared to a manual single channel pipette filling a 96-well microplate from microcentrifuge tubes.

Speed up sample transfer time and reduce repetition

96-Format Equalizer Pipettes

Channels	Maximum spacing (mm)	Transfer to/from	↔	Transfer from/to	Minimum spacing (mm)
6-channel	19.8	<ul style="list-style-type: none"> • Test tube racks • 24-well microplates 		<ul style="list-style-type: none"> • 96-well microplates • Deepwell blocks 	9.0



8-channel	14.2	<ul style="list-style-type: none"> • Microcentrifuge tube racks • 48-well microplates 		<ul style="list-style-type: none"> • 96-well microplates • Deepwell blocks 	9.0
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384-Format Equalizer Pipettes

Channels	Maximum spacing (mm)	Transfer to/from	↔	Transfer from/to	Minimum spacing (mm)
8-channel	14.2	<ul style="list-style-type: none"> • 96-well microplates • 48-well microplates • Deepwell blocks • Microcentrifuge tube racks 		<ul style="list-style-type: none"> • 384-well microplates • 384 PCR plate • Agarose Gels 	4.5



12-channel	9.0	<ul style="list-style-type: none"> • 96-well microplates • Deepwell blocks 		<ul style="list-style-type: none"> • 384-well microplates • 384 PCR plate • Agarose Gels 	4.5
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Intuitive interface and operation

feel familiar from day one



My Pipette



- **Pipettes that work the way you do**

The icon-based user interface offers clear, fast, and easy operation with the same basic functions that you are familiar with on your current pipette.

- **Edit with ease**

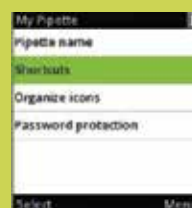
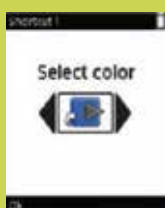
Feel confident editing protocols with simple and easy steps. The large, full-color display and intuitive user interface help you keep track of every step so you are in full control.

- **One click access for more efficient pipetting**

Designed to adapt your pipetting needs, the **My Pipette™** function allows you to customize your main menu view to include your most-used functions. You can also create shortcuts for your preferred programs and pipetting functions. This eliminates tedious scrolling through submenus to find suitable functions or through programs that are not needed.

NEW! Customize your view

Personalize the main menu with your choice of icons and choose your favorite color for program or pipetting function shortcuts.



Optimal functions for every application



Presets

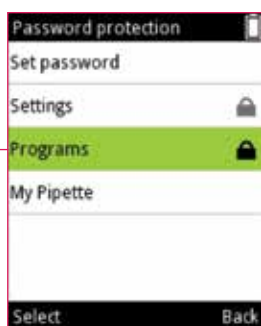
Simple and quick pipette settings for your most common applications, such as forward and reverse pipetting and filling microplates. Adjust the volume and speed, and you're ready to go.



Matrix

For complex applications, the Matrix operation style is a great fit. The step-based programming is an excellent option when a variety of pipetting functions are required in a unique order to complement your research protocols. Rather than trying to make a pre-set function work, it is now easy to select any of the functional steps — such as Fill, Dispense, Mix, Multi, or Purge — together while setting specific volumes and speeds for each. You can add up to 40 steps per program.

Protect the pipette from unintentional edits















































Often pipettes are shared within the lab and unintentional edits can occur, which may result in undetected pipetting errors.

- **Choose to lock important protocol settings**

Safeguard the integrity of your assays by utilizing password protection for saved settings such as calibration and stored programs, as well as a customized main menu view to deliver consistent, efficient operation regardless of the user.

Thermo Scientific™ E1-ClipTip™ Electronic Pipettes and ClipTip™ Pipette Tips



Item No.	Description	Volume Range	Increment/Packaging	Color Code
12.5 µl TIPS*			Packaging	
94410040	ClipTip 12.5	0.5-12.5 µl	Racked, 96 tips/rack, 10 racks/pack	
94410043	ClipTip 12.5	0.5-12.5 µl	Racked, sterile, 96 tips/rack, 10 racks/pack	
94420043	ClipTip 12.5	0.5-12.5 µl	Racked, filtered, sterile, 96 tips/rack, 10 racks/pack	
94410060	ClipTip 12.5 Ext	0.5-12.5 µl	Racked, 96 tips/rack, 10 racks/pack	
94410063	ClipTip 12.5 Ext	0.5-12.5 µl	Racked, sterile, 96 tips/rack, 10 racks/pack	
94420063	ClipTip 12.5 Ext	0.5-12.5 µl	Racked, filtered, sterile, 96 tips/rack, 10 racks/pack	
384, 12.5 µl TIPS*			Packaging	
94410050	ClipTip 384 12.5	0.5-12.5 µl	Racked, 384 tips/rack, 10 racks/pack	
94410053	ClipTip 384 12.5	0.5-12.5 µl	Racked, sterile, 384 tips/rack, 10 racks/pack	
94420053	ClipTip 384 12.5	0.5-12.5 µl	Racked, filtered, sterile, 384 tips/rack, 10 racks/pack	
94410070	ClipTip 384 12.5 Ext	0.5-12.5 µl	Racked, 384 tips/rack, 10 racks/pack	
94410073	ClipTip 384 12.5 Ext	0.5-12.5 µl	Racked, sterile, 384 tips/rack, 10 racks/pack	
94420073	ClipTip 384 12.5 Ext	0.5-12.5 µl	Racked, filtered, sterile, 384 tips/rack, 10 racks/pack	
384, 30 µl Tips*			Packaging	
94410100	ClipTip 384 30	1-30 µl	Racked, 384 tips/rack, 10 racks/pack	
94410103	ClipTip 384 30	1-30 µl	Racked, sterile, 384 tips/rack, 10 racks/pack	
94420103	ClipTip 384 30	1-30 µl	Racked, filtered, sterile, 384 tips/rack, 10 racks/pack	
200 µl TIPS			Packaging	
94410310	ClipTip 200	2-200 µl	Racked, 96 tips/rack, 10 racks/pack	
94410313	ClipTip 200	2-200 µl	Racked, sterile, 96 tips/rack, 10 racks/pack	
94410317	ClipTip 200	2-200 µl	Reload tower, 96 tips/insert, 10 inserts/pack	
94410318	ClipTip 200	2-200 µl	Reload tower, sterile, 96 tips/insert, 10 inserts/pack	
94420313	ClipTip 200	2-200 µl	Racked, filtered, sterile, 96 tips/rack, 10 racks/pack	
94420318	ClipTip 200	2-200 µl	Reload insert, filtered, sterile, 96 tips/insert, 10 inserts/pack	
384, 125 µL TIPS*			Packaging	
94410150	ClipTip 384 125	2-125 µl	Racked, 384 tips/rack, 10 racks/pack	
94410153	ClipTip 384 125	2-125 µl	Racked, sterile, 384 tips/rack, 10 racks/pack	
94420153	ClipTip 384 125	2-125 µl	Racked, filtered, sterile, 384 tips/rack, 10 racks/pack	
300 µl TIPS			Packaging	
94410510	ClipTip 300	10-300 µl	Racked, 96 tips/rack, 10 racks/pack	
94410513	ClipTip 300	10-300 µl	Racked, sterile, 96 tips/rack, 10 racks/pack	
94410517	ClipTip 300	10-300 µl	Reload tower, 96 tips/insert, 10 inserts/pack	
94410518	ClipTip 300	10-300 µl	Reload tower, Sterile, 96 tips/insert, 10 inserts/pack	
94420513	ClipTip 300	10-300 µl	Racked, filtered, sterile, 96 tips/rack, 10 racks/pack	
94420518	ClipTip 300	10-300 µl	Reload insert, filtered, sterile, 96 tips/insert, 10 inserts/pack	
94410610	ClipTip 300 Ext	10-300 µl	Racked, 96 tips/rack, 8 racks/pack	
94410613	ClipTip 300 Ext	10-300 µl	Racked, sterile, 96 tips/rack, 8 racks/pack	
94410617	ClipTip 300 Ext	10-300 µl	Reload tower, 96 tips/insert, 10 inserts/pack	
94420613	ClipTip 300 Ext	10-300 µl	Racked, filtered, sterile, 96 tips/rack, 8 racks/pack	
94410618	ClipTip 300 Ext	10-300 µl	Reload, 10 x 96/insert	
94410619	ClipTip 300 Ext	10-300 µl	Reload Empty Rack	



Item No.	Description	Volume Range	Increment/Packaging	Color Code
850 µL Pipettes			Increment	
4671090	E1-ClipTip 12-ch 30-850 µL	30-850 µL	1.0 µL	
1000 µL Pipettes			Packaging	
94410710	ClipTip 1000	30-1000 µL	Racked, 96 tips/rack, 8 racks/pack	
94410713	ClipTip 1000	30-1000 µL	Racked, sterile, 96 tips/rack, 8 racks/pack	
94410717	ClipTip 1000	30-1000 µL	Reload tower, 96 tips/insert, 8 inserts/pack	
94410718	ClipTip 1000	30-1000 µL	Reload tower, sterile, 96 tips/insert, 8 inserts/pack	
94420713	ClipTip 1000	30-1000 µL	Racked, filtered, sterile, 96 tips/rack, 8 racks/pack	
94420718	ClipTip 1000	30-1000 µL	Reload insert, filtered, sterile, 96 tips/insert, 8 inserts/pack	
1250 µL TIPS			Packaging	
94410810	ClipTip 1250	15-1250 µL	Racked, 96 tips/rack, 8 racks/pack	
94410813	ClipTip 1250	15-1250 µL	Racked, sterile, 96 tips/rack, 8 racks/pack	
94410817	ClipTip 1250	15-1250 µL	Reload insert, 96 tips/insert, 8 inserts/pack	
94410818	ClipTip 1250	15-1250 µL	Reload insert, sterile, 96 tips/insert, 8 inserts/pack	
94420813	ClipTip 1250	15-1250 µL	Racked, filtered, sterile, 96 tips/rack, 8 racks/pack	
94420818	ClipTip 1250	15-1250 µL	Reload insert, filtered, sterile, 96 tips/insert, 8 inserts/pack	



* ClipTip 384 and ClipTip 12.5 tips and compatible E1-ClipTip models utilize snap and clip tip fitting technology.

All ClipTip pipette tips are low retention with the exception of 384 and 12.5 models.







** Bluetooth models available in following countries: Andorra, Australia, Austria, Belgium, Bulgaria, Canada, China, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hong Kong, Hungary, Iceland, India, Ireland, Italy, Japan, Korea (Rep. of), Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Monaco, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, San Marino, Singapore, Slovakia, Slovenia, Spain, Sweden, Switzerland, Taiwan, United Kingdom, United States and Vatican. For other countries catalog numbers without 'BT' extension should be used.

 2 µL/10 µL / 12.5 µL/ 20 µL
 30 µL/ 50 µL

 100 µL/ 125µL/ 200 µL
 300 µL

 850 µL/ 1000 µL
 1250 µL

Accessories

Item No.	Description	Increment/Packaging	Color Code
9420500	E1-ClipTip Charging Stand, 1 position	Compatible with E1-ClipTip pipettes	
9420510	E1- Clip Tip Charging stand, 3 Position	Compatible with E1-ClipTip pipettes	
94410219	Empty Rack, Small	10 racks, no tips/inserts	 
94410519	Empty Rack, Medium	10 racks, no tips/inserts	 
94410819	Empty Rack, Large	10 racks, no tips/inserts	 

Thermo Scientific™ E1-ClipTip™ Bluetooth Pipettes

E1-ClipTip™ Bluetooth Pipettes Revolutionize the way you pipette by leveraging the My Pipette™ Creator application in the Thermo Fisher Cloud.

My Pipette™ Creator App enables efficient, centralized programming and sharing of protocols between pipettes and colleagues, offers pre-programmed protocols, to download and share, for many of your favorite reagent kits - accelerating collaboration and reproducibility all from the comfort of your computer. All you need to connect your E1-Clip Tip pipette to the app via Bluetooth or USB connection.



Item No.	Description	Volume Range	Increment/Packaging	Color Code
0.5-12.5 µl PIPETTES*			Increment	
467000BT	E1-ClipTip 0.5-12.5 µl	0.5-12.5 µl	0.01 µl	●
467100BT	E1-ClipTip 8-ch 0.5-12.5 µl	0.5-12.5 µl	0.01 µl	●
467101BT	E1-ClipTip 12-ch 0.5-12.5 µl	0.5-12.5 µl	0.01 µl	●
384, 0.5-12.5 µl PIPETTES*			Increment	
467102BT	E1-ClipTip 16-ch 0.5-12.5 µl	0.5-12.5 µl	0.01 µl	●
467201BT	E1-ClipTip Equalizer 384 8-ch 0.5-12.5 µl	0.5-12.5 µl	0.01 µl	●
467202BT	E1-ClipTip Equalizer 384 12-ch 0.5-12.5 µl	0.5-12.5 µl	0.01 µl	●
384, 1-30 µl PIPETTES*			Increment	
467103BT	E1-ClipTip 16-ch	1-30 µl	0.1 µl	●
467203BT	E1-ClipTip Equalizer 384 8-ch	1-30 µl	0.1 µl	●
467204BT	E1-ClipTip Equalizer 384 12-ch	1-30 µl	0.1 µl	●
2-125 µl PIPETTES			Increment	
467002BT	E1-ClipTip 1-ch	2-125 µl	0.1 µl	●
467104BT	E1-ClipTip 8-ch	2-125 µl	0.1 µl	●
467105BT	E1-ClipTip 12-ch	2-125 µl	0.1 µl	●
467106BT	E1-ClipTip 16-ch	2-125 µl	0.1 µl	●
467205BT	E1-ClipTip Equalizer 8-ch	2-125 µl	0.1 µl	●
384, 2-125 µl PIPETTES*			Increment	
467206BT	E1-ClipTip Equalizer 384 8-ch 2-125 µl	2-125 µl	0.1 µl	●
467207BT	E1-ClipTip Equalizer 384 12-ch 2-125 µl	2-125 µl	0.1 µl	●
10-300 µl PIPETTES			Increment	
467003BT	E1-ClipTip 1-ch 10-300 µl	10-300 µl	0.1 µl	●
467107BT	E1-ClipTip 8-ch 10-300 µl	10-300 µl	0.1 µl	●
467108BT	E1-ClipTip 12-ch 10-300 µl	10-300 µl	0.1 µl	●
467208BT	E1-ClipTip Equalizer 8-ch 10-300 µl	10-300 µl	0.1 µl	●
30-850 µl PIPETTES			Increment	
467109BT	E1-ClipTip 12-ch 30-850 µl	30-850 µl	1.0 µl	●
15-1250 µl PIPETTES			Increment	
467004BT	E1-ClipTip 15-1250 µl	15-1250 µl	1.0 µl	●
467110BT	E1-ClipTip 8-ch 15-1250 µl	15-1250 µl	1.0 µl	●
467209BT	E1-ClipTip Equalizer 6-ch 15-1250 µl	15-1250 µl	1.0 µl	●
467210BT	E1-Clip tip Equalizer 8-ch 15-1250 µl	15-1250 µl	1.0 µl	●

Thermo Scientific™ Finnpiquette™ F1 Single Channel Pipetters

Finnpiquette* F1 Fixed- and Adjustable-Volume Pipetters set the standard in pipetting with superior comfort and performance.

Our F1 pipetter incorporates state-of-the-art innovations for ease of use and proven results. **The Advanced Volume Gearing mechanism (AVG)** is a self-supporting modular volume adjustment mechanism that enhances pipetting performance. It also delivers dependable accuracy and precision with real durability with its separate pipetter body.

The F1 Adjustable-Volume Pipetter offers a simple "set-and-forget" lock mechanism to adjust the volume, adjustable finger rest, and soft touch tip ejection.

Details

- **NEW silent, effortless volume adjustment:** Enjoy the new silent & light volume adjustment with over 50% lower forces compared to earlier models. Improved grip on the volume adjustment knob enables effortless & precise adjustment.
- **"Set-and-forget" pipetting button** enables an easy locking mechanism for volume adjustment, and rotates freely when not locked to prevent accidental volume drift during pipetting
- **Adjustable finger rest** can be adjusted 120° for optimal pipetting position
- **Super blow-out** 150% increase in air boost ensures efficient delivery of micro-volumes and prevents capillary action in 50 µL models and below.
- **ID tag space** for personal markings, blank tags supplied with the pipetter

Ergonomics

- **Extremely light** and smooth plunger action reduces the risk of Repetitive Strain Injury (RSI)
- **Lightweight construction** enables longer pipetting periods without fatigue
- **Soft-touch tip ejector** reduces the tip ejection forces by up to 50%
- **Adjustable finger rest** for superior comfort

Ordering Information: Ideal for use with Thermo Scientific Finntip pipette tips, as specified in the ordering table

Includes: Finnpiquette F1 pipetter, calibration tool, blank ID tags, shelf hanger, Instructions manual, and calibration certificate

Warranty: Five years with Web registration



New Improved
Finnpiquette F1
with exceptional
performance and
comfort, redefined

Thermo Scientific™ Finn timer™ F1 Single Channel Pipetters continued

F1 Single Channel Fixed-Volume Pipetters

Cat. No.	Description	Accuracy	Precision
4651020N	10 µL	±0.9%	0.8%
4651130N	20 µL	±0.7%	0.5%
4651030N	25 µL	±0.6%	0.5%
4651040N	50 µL	±0.6%	0.4%
4651050N	100 µL	±0.4%	0.3%
4651140N	200 µL	±0.4%	0.3%
4651060N	250 µL	±0.4%	0.3%
4651070N	500 µL	±0.3%	0.3%
4651080N	1000 µL	±0.3%	0.3%
4651090N	2000 µL	±0.3%	0.2%
4651100N	3000 µL	±0.3%	0.2%
4651110N	5000 µL	±0.3%	0.2%
4651120N	10000 µL	±0.3%	0.2%

F1 Single Channel Adjustable-Volume Pipetters

Cat. No.	Range	Increments	Accuracy	Precision	Finntip	Color Code
4641010N	0.2-2 µL, micro	0.002 µL	±12.0 to 2.5%	10.0 to 2.0%	Flex 10, 10, 50	Pink
4641020N	0.5-5 µL, micro	0.01 µL	±6.0 to 1.5%	5.0 to 1.0%	Flex 10, 10, 50	Pink
4641030N	1-10 µL, micro	0.02 µL	±2.5 to 1.0%	2.0 to 0.5%	Flex 10, 10, 50	Pink
4641040N	1-10 µL	0.02 µL	±3.5 to 1.0%	3.0 to 0.8%	Flex 200, 250 Univ.	Yellow
4641050N	2-20 µL, micro	0.02 µL	±3.0 to 1.0%	2.5 to 0.4%	50 micro	Turquoise
4641060N	2-20 µL	0.02 µL	±3.0 to 1.0%	2.5 to 0.4%	Flex 200, 250 Univ.	Yellow
4641130N	5-50 µL, micro	0.02 µL	±3.0 to 0.6%	2.5 to 0.3%	50 micro	Turquoise
4641140N	5-50 µL	0.02 µL	±3.0 to 0.6%	2.5 to 0.3%	Flex 200, 300, 250 Univ, 200 Ext	Yellow
4641070N	10-100 µL	0.2 µL	±3.0 to 0.8%	1.0 to 0.2%	Flex 200, 250 Univ., 300, 200 Ext.	Yellow
4641080N	20-200 µL	0.2 µL	±1.8 to 0.6%	0.7 to 0.2%	Flex 200, 250 Univ., 300, 200 Ext.	Yellow
4641090N	30-300 µL	1 µL	±1.5 to 0.6%	0.6 to 0.2%	Flex 300, 300	Orange
4641100N	100-1000 µL	1 µL	±1.0 to 0.6%	0.6 to 0.2%	Flex 1000, 1000, 1000 Ext.	Blue
4641110N	0.5-5 mL	0.01 mL	±2.0 to 0.5%	0.8 to 0.2%	5 mL	Green
4641120N	1-10 mL	0.02 mL	±2.0 to 0.5%	0.8 to 0.2%	10 mL, Flex 10 mL Ext.	Red

F1 Multi Channel

Cat. No.	Range	Increments	Accuracy	Precision	Finntip	Color Code
8-Channel						
4661000N	1-10 µL	0.02 µL	±12.0 to 2.4%	8.0 to 1.6%	Flex 10, 10 micro, 50 micro	Pink
4661010N	5-50 µL	0.1 µL	±5.0 to 1.5%	2.0 to 0.7%	Flex 200, 250 Univ., 200 Ext.	Yellow
4661020N	10-100 µL	0.2 µL	±5.0 to 1.3%	2.0 to 0.5%	Flex 200, 250 Univ., 200 Ext.	Yellow
4661030N	30-300 µL	1 µL	±5.0 to 1.0%	2.0 to 0.3%	Flex 300, 300	Orange
12-Channel						
4661040N	1-10 µL	0.02 µL	±12.0 to 2.4%	8.0 to 1.6%	Flex 10, 10 micro, 50 micro	Pink
4661050N	5-50 µL	0.1 µL	±5.0 to 1.5%	2.0 to 0.7%	Flex 200, 250 Univ., 200 Ext.	Yellow
4661060N	10-100 µL	0.2 µL	±5.0 to 1.3%	2.0 to 0.5%	Flex 200, 250 Univ., 200 Ext.	Yellow
4661070N	30-300 µL	1 µL	±5.0 to 1.0%	2.0 to 0.3%	Flex 300, 300	Orange
16-Channel						
4661080N	1-10 µL	0.02 µL	±12.0 to 2.4%	8.0 to 1.6%	Flex 10 (384), 50 micro	Purple
4661090N	5-50 µL	0.1 µL	±5.0 to 1.5%	2.0 to 0.7%	50 micro	Turquoise

Thermo Scientific™ Finnpiquette™ F1 GLP Kits

F1 Kit 1 (1-1000 µL)

Finnpiquette F1, 1-10 µL
Finnpiquette F1, 10-100 µL
Finnpiquette F1, 100-1000 µL
Finnpip Flex tips: 10, 1 × 96; 200, 1 × 96; 1000, 1 × 96
F-stand; F1 brochure
Good Laboratory Pipetting Guide
Reagent reservoir samples

F1 Kit 2 (0.2 to 1000 µL)

Finnpiquette F1, 0.2-2 µL
Finnpiquette F1, 2-20 µL univ
Finnpiquette F1, 20-200 µL
Finnpiquette F1, 100-1000 µL
Finnpip Flex tips: 10, 1 × 96; 200, 1 × 96; 1000, 1 × 96
F-stand; F1 brochure
Good Laboratory Pipetting Guide
Reagent reservoir samples

F1 Kit 3 (10 to 10,000 µL)

Finnpiquette F1, 10-100 µL
Finnpiquette F1, 100-1000 µL
Finnpiquette F1, 1000-10000 µL
Finnpip Flex tips: 200, 1 × 96; 1000, 1 × 96; FT 10 mL, 1 × 24
F-stand; F1 brochure
Good Laboratory Pipetting Guide
Reagent reservoir samples

F1 Kit 4 (2 to 1000 µL)

Finnpiquette F1, 2-20 µL
Finnpiquette F1, 20-200 µL
Finnpiquette F1, 100-1000 µL
Flex tips: (2) 200 µL, 1 × 96; 100-1000 µL, 1 × 96
F-stand; F1 brochure
Good Laboratory Pipetting Guide
Reagent reservoir samples

Finnpiquette F1 GLP Kits include state-of-the-art Finnpiquette F1 pipettors along with everything you need for superior pipetting.

All Finnpiquette F1 Good Laboratory Pipetting kits offer superior performance plus unique features, including adjustable finger rest for user comfort, "set and forget" pipetting button, and an antimicrobial surface.

Each complete kit provides everything you need for good laboratory pipetting.

Details

- **Adjustable finger rest** for improved ergonomics and comfortability
- **"Set-and-forget" pipetting button** offers easy and secured volume adjustment
- **Silent, effortless volume adjustment** with over 50% lower forces compared to earlier models.
- **Large easy-to-read display** prevents eye strain
- **Soft-touch tip ejector** enables light end effortless tip ejection

Ordering Information: The Finnpiquette F1 GLP kit also includes samples of Finnpip Flex tips for maximum performance and ergonomics, and a Good Laboratory Pipetting guide with extensive information about pipetting and factors that affect pipetting results.

Warranty: Five years with Web registration

Cat. No.	Description	Volume Range
4700850N	F1 Kit 1 (1 to 1000 µL)	1-10 µL, 10-100 µL, 100-1000 µL
4700860N	F1 Kit 2 (0.2 to 1000 µL)	0.2-2 µL, 2-20 µL, 20-200 µL, 100-1000 µL
4700865N	F1 Kit 3 (10 to 10,000 µL)	10-100 µL, 100-1000 µL, 1000-10000 µL
4701060N	F1 Kit 4 (2 to 1000 µL)	2-20 µL, 20-200 µL, 100-1000 µL



Thermo Scientific™ Finnpiquette™ F2 Single & Multi Channel Pipetters



Finnpiquette F2 Fixed- and Adjustable-Volume Pipetters are durable and fully autoclavable for everyday pipetting needs.

Experience superior comfort, performance, reliability, and repeatability in one of the lightest pipetters available. These pipetters include a **Advanced Volume Gearing mechanism (AVG)** – a self-supporting modular volume adjustment mechanism that enhances pipetting performance.

Details

- **Large Ergovisio display** with white numbers on black background for increased visibility
- **Double-action pipetting button** prevents accidental volume changes
- **Super blow-out piston** with volumes of 50 μ L and below ensures delivery of micro-size drops
- **Fully autoclavable** for dependable contamination prevention
- **ID tag** space for personal markings; blank tags supplied with the pipetter

Ergonomics

- **Extremely light** and smooth plunger action reduces the risk of Repetitive Strain Injury (RSI)
- **Lightweight construction** enables longer pipetting periods without fatigue
- **Soft-touch tip ejector** reduces the tip ejection forces by up to 50%
- **Wide and supportive** finger rest for comfortable pipetting

Ordering Information: Ideal for use with Thermo Scientific Finntip pipette tips, as specified in the ordering table

Includes: Finnpiquette F2 pipetter, calibration tool, blank ID tags, shelf hanger, instruction manual and calibration certificate

Warranty: Five years with Web registration



F2 Single Channel Fixed-Volume Pipetters

Cat. No.	Description	Accuracy	Precision
4652000	1 µL	±4.0%	4.0%
4652010	5 µL	±1.4%	1.4%
4652020	10 µL	±0.9%	0.8%
4652030	25 µL	±0.6%	0.5%
4652040	50 µL	±0.6%	0.4%
4652050	100 µL	±0.4%	0.3%
4652060	250 µL	±0.4%	0.3%
4652070	500 µL	±0.3%	0.3%
4652080	1000 µL	±0.3%	0.3%
4652090	2000 µL	±0.3%	0.2%
4652100	3000 µL	±0.3%	0.2%
4652110	5000 µL	±0.3%	0.2%
4652120	10000 µL	±0.3%	0.2%
4652130	20 µL	±0.6%	0.5%
4652140	200 µL	±0.4%	0.3%

F2 Single Channel Adjustable-Volume Pipetters

Cat. No.	Range	Increments	Accuracy	Precision	Compatible Tips	Color Code
4642010	0.2-2 µL, micro	0.002 µL	±12.0 to 2.5%	10.0 to 2.0%	Flex 10, 10, 50	Pink
4642020	0.5-5 µL, micro	0.01 µL	±6.0 to 1.5%	5.0 to 1.0%	Flex 10, 10, 50	Pink
4642030	1-10 µL, micro	0.02 µL	±2.5 to 1.0%	2.0 to 0.5%	Flex 10, 10, 50	Pink
4642040	1-10 µL	0.02 µL	±3.5 to 1.0%	3.0 to 0.8%	Flex 200, 250 Univ.	Yellow
4642050	2-20 µL, micro	0.02 µL	±3.0 to 1.0%	2.5 to 0.4%	50 micro	Turquoise
4642060	2-20 µL	0.02 µL	±3.0 to 1.0%	2.5 to 0.4%	Flex 200, 250 Univ.	Yellow
4642120	5-50 µL, micro	0.1 µL	±0.3 to 0.15%	2.5 to 0.3%	50 micro	Turquoise
4642130	5- 50 µL	0.1 µL	±0.3 to 0.15%	2.5 to 0.3%	Flex 200, Flex 300, 250 Univ., 200 Ext.	Yellow
4642070	10-100 µL	0.2 µL	±3.0 to 0.8%	1.0 to 0.2%	Flex 200, 250 Univ., 300, 200 Ext.	Yellow
4642080	20-200 µL	0.2 µL	±1.8 to 0.6%	0.7 to 0.2%	Flex 200, 250 Univ., 300, 200 Ext.	Yellow
4642090	100-1000 µL	1 µL	±1.0 to 0.6%	0.6 to 0.2%	Flex 1000, 1000, 1000 Ext.	Blue
4642100	0.5-5 mL	0.01 mL	±2.0 to 0.5%	0.8 to 0.2%	5 mL	Green
4642110	1-10 mL	0.02 mL	±2.0 to 0.5%	0.8 to 0.2%	10 mL, Flex 10 mL Ext.	Red

F2 Multi Channel

Cat. No.	Range	Increment	Accuracy	Precision	Finntip	Color Code
8-Channel						
4662000	1-10 µL	0.02 µL	±12.0 to 2.4%	8.0 to 1.6%	Flex 10, 10, 50	Pink
4662010	5-50 µL	0.1 µL	±5.0 to 1.5%	2.0 to 0.7%	Flex 200, 250 Univ., 200 Ext.	Yellow
4662020	10-100 µL	0.2 µL	±5.0 to 1.3%	2.0 to 0.5%	Flex 200, 250 Univ., 200 Ext.	Yellow
4662030	30-300 µL	1 µL	±5.0 to 1.0%	2.0 to 0.3%	Flex 300, 300	Orange
12-Channel						
4662040	1-10 µL	0.02 µL	±12.0 to 2.4%	8.0 to 1.6%	Flex 10, 10, 50	Pink
4662050	5-50 µL	0.1 µL	±5.0 to 1.5%	2.0 to 0.7%	Flex 200, 250 Univ., 200 Ext.	Yellow
4662060	10-100 µL	0.2 µL	±5.0 to 1.3%	2.0 to 0.5%	Flex 200, 250 Univ., 200 Ext.	Yellow
4662070	30-300 µL	1 µL	±5.0 to 1.0%	2.0 to 0.3%	Flex 300, 300	Orange
16-Channel						
4662080	1-10 µL	0.02 µL	±12.0 to 2.4%	8.0 to 1.6%	Flex 10 (384), 50 micro	Purple
4662090	5-50 µL	0.1 µL	±5.0 to 1.5%	2.0 to 0.7%	50 micro	Turquoise

Thermo Scientific™ Finnpiquette™ F2 GLP Kits

Finnpiquette F2 GLP Kits provide durable, high-performance Finnpiquette F2 pipetters in an all-inclusive kit containing everything you need for convenient, superior pipetting.

Finnpiquette F2 pipetters feature an AVG (Advanced Volume Gearing mechanism) and a large display for improved usability and comfort.

Each complete kit offers everything you need for good laboratory pipetting.

Details

- **AVG: Volume gearing mechanism** for accuracy and precision
- **Fully autoclavable** for dependable protection
- **Soft-touch tip ejection** enables light tip ejection
- **Large display** prevents eye strain
- **Very light** pipetting forces for greater accuracy with less fatigue

Ordering Information: The Finnpiquette F2 GLP kit includes samples of Finntip Flex tips – the most advanced traditional tip – offering very low attachment and ejection forces. The Good Laboratory Pipetting Guide contains comprehensive pipetting information, from choosing the right type to detailed decontamination procedures.

Warranty: Five years with Web registration

Cat. No.	Description	Volume Range
4700870	F2 Kit 1 (1 to 1000 µL)	1-10 µL, 10-100 µL, 100-1000 µL
4700880	F2 Kit 2 (0.2 to 1000 µL)	0.2-2 µL, 2-20 µL, 20-200 µL, 100-1000 µL
4700885	F2 Kit 3 (10 to 10,000 µL)	10-100 µL, 100-1000 µL, 1000-10000 µL
4701070	F2 Kit 4 (2 to 1000 µL)	2-20 µL, 20-200 µL, 100-1000 µL



F2 Kit 1 (1-1000 µL)

Finnpiquette F2, 1-10 µL
Finnpiquette F2, 10-100 µL
Finnpiquette F2, 100-1000 µL
Flex tips: 10, 1 × 96; 200, 1 × 96;
1000, 1 × 96
F-stand; F2 brochure
Good Laboratory Pipetting Guide
Reagent reservoir demo pack

F2 Kit 2 (0.2 to 1000 µL)

Finnpiquette F2, 0.2-2 µL
Finnpiquette F2, 2-20 µL univ
Finnpiquette F2, 20-200 µL
Finnpiquette F2, 100-1000 µL
Flex tips: 10, 1 × 96; 200, 1 × 96;
1000, 1 × 96
F-stand; F2 brochure
Good Laboratory Pipetting Guide
Reagent reservoir demo pack

F2 Kit 3 (10 to 10,000 µL)

Finnpiquette F2, 10-100 µL
Finnpiquette F2, 100-1000 µL
Finnpiquette F2, 1000-10000 µL
Flex tips: 200, 1 × 96; 1000, 1 × 96;
FT 10 mL, 1 × 24
F-stand; F2 brochure
Good Laboratory Pipetting Guide
Reagent reservoir demo pack

F2 Kit 4 (2 to 1000 µL)

Finnpiquette F2, 2-20 µL
Finnpiquette F2, 20-200 µL
Finnpiquette F2, 100-1000 µL
Flex tips: (2) 200 µL, 1 × 96;
100-1000 µL, 1 × 96
F-stand; F2 brochure
Good Laboratory Pipetting Guide
Reagent reservoir demo pack

Thermo Scientific™ Finnpiquette™ Digital Pipettes

Finnpiquette Digital Pipettes: Today's laboratories need a refined, dependable approach to liquid handling to meet the ever-increasing demands of daily research. The Thermo Scientific Finnpiquette Digital combines robust durability for consistent performance year after year. The lightweight design and finger rest reduce hand fatigue to make pipetting comfortable. The Finnpiquette® Digital pipette is available in single, and multichannel models; 8- and 12-channels for 96-well applications and 16-channels for 384-well applications.

Details

- Autoclave repeatedly for versatile use in sterile lab environments
- Durable and reliable in a variety of chemical applications
- Accurately pipette at low-volumes with the enhanced super blow-out system
- Clearly read selected volumes while securing plunger into place to avoid volume drift
- Release tips using minimal effort with the geared tip ejector

Warranty: Five years with Web registration



Finnpiquette digital variable volume (Single & Multi Channel)

Cat. No.	Range	Increment	Volume	Inaccuracy		Imprecision		Color Code	Fintip
			µl	µl	%	s.d. µl	cv%		
4500010	0.5-10 µl, micro	0.1 µl	10	+/- 0.100	+/- 1.00	0.050	0.50	Grey	Flex 10, 10, 20 micro, 50 micro
			5	+/- 0.100	+/- 2.00	0.050	1.00		
			1	+/- 0.025	+/- 2.50	0.020	2.00		
4500020	0.5-10 µl	0.1 µl	10	+/- 0.100	+/- 1.00	0.080	0.80	Grey	Flex 200, 200 Ext, 250 Univ, Flex 300, 300
			5	+/- 0.100	+/- 2.00	0.050	1.00		
			1	+/- 0.035	+/- 3.50	0.030	3.00		
4510000	0.5-10 µl, multi channel (8 channels)	0.1 µl	10	+/- 0.240	+/- 2.40	0.160	1.60	Grey	Flex 10, 10, 20 micro, 50 micro
			5	+/- 0.200	+/- 4.00	0.150	3.00		
			1	+/- 0.120	+/- 12.00	0.080	8.00		
4510010	0.5-10 µl, multi channel (12 channels)	0.1 µl	10	+/- 0.240	+/- 2.40	0.160	1.60	Grey	Flex 10, 10, 20 micro, 50 micro
			5	+/- 0.200	+/- 4.00	0.150	3.00		
			1	+/- 0.120	+/- 12.00	0.080	8.00		

*s.d. = Standard Deviation, CV = Coefficient of Variation **Factory calibration limits
Note: Also available in various volumes within single & multi channel ranges. Please contact your local sales representative for more details.

Thermo Scientific™ Finnpiquette™ F3 Single Channel Pipetters



Finnpiquette F3, is combination of form and function to meet the needs of our customers who are willing to bring accuracy to another level.

Our customers expressed a need for an innovative pipette corresponding to their high standards of accuracy and precision. As a result, we developed the new.

Details

- **Advanced Volume Gearing (AVG):** We equipped Finnpiquette F3 with a self-supportive modular volume adjustment mechanism enhancing both accuracy and precision of the instrument. The advanced precision click volume adjustment enables up to 50 clicks per revolution.
- Additionally, we separated the mechanism from the pipette hull, which considerably increases its durability. To eliminate possible effects of hand warmth, we isolated the adjustment mechanism thermally from the pipette hull.
- **Large and Clear Display:** In order to provide the users with an easy volume recognition, we chose to improve the vision comfort by providing Finnpiquette F3 with a sizeable black and white display with large digits.
- A fine adjustment ruler to enhance the superior precision and accuracy of the pipette.
- **Light Pipetting Action:** We are familiar with the conditions in which the users employ pipettes. Consequently, we focused on ergonomics and designed the Finnpiquette F3 handle using extensive testing and research to increase user comfort and to prevent the occurrence of RSI symptoms. We included an improved supportive finger rest allowing the user to relax the hand between pipetting periods.
- **Double-Action Pipetting Hat:** A revolutionary double-action pipetting hat with a rotating upper part enabling a smooth and steady pipetting action, simultaneously preventing any accidental volume alterations. In addition, the lower volume adjustment wheel remains light to control and offers an excellent grip.
- In Finnpiquette F3 we combined form and function to meet the needs of our customers willing to bring accuracy to another level.

Ordering Information: Ideal for use with Thermo Scientific Finntip pipette tips, as specified in the ordering table

Includes: Finnpiquette F3 singlechannel pipetter, calibration tool, module removal tool, blank ID tags, shelf hanger, Instruction manual and calibration certificate

Warranty: Five years with Web registration



F3 Variable volumes **

Cat. No.	Description	Volume	Inacc µl	Inacc %	Imprex s.d.*µl	CV%	Color Code	Finntip
4640000	F3 1-10µl Micro	10	±0,10	±1,0	0,05	0,5	Pink	10, Flex 10
		5	±0,10	±2,0	0,05	1,0		
		1	±0,025	±2,5	0,02	2,0		
4640010	F3 1-10µl Universal	10	±0,10	±1,0	0,08	0,8	Yellow	250 Universal, 200 Ext, Flex 300
		5	±0,10	±2,0	0,065	1,3		
		1	±0,035	±3,5	0,03	3,0		
4640020	F3 2-20µl Micro	20	±0,20	±1,0	0,08	0,4	Turquoise	50
		10	±0,15	±1,5	0,07	0,7		
		2	±0,06	±3,0	0,05	2,5		
4640030	F3 2-20µl Universal	20	±0,20	±1,0	0,08	0,4	Yellow	250 Universal, 200 Ext, Flex 300
		10	±0,15	±1,5	0,07	0,7		
		2	±0,06	±3,0	0,05	2,5		
4640040	F3 10-100µl	100	±0,80	±0,8	0,20	0,2	Yellow	250 Universal, 200 Ext, Flex 300
		50	±0,60	±1,2	0,20	0,4		
		10	±0,30	±3,0	0,10	1,0		
4640050	F3 20-200µl	200	±1,2	±0,6	0,6	0,3	Yellow	250 Universal, 200 Ext, Flex 300
		100	±1,00	±1,0	0,50	0,5		
		20	±0,6	±3,0	0,3	1,5		
4640060	F3 100-1000µl	1000	±5,0	±0,5	2,0	0,2	Blue	1000, Flex 1000
		500	±5,00	±1,0	2,00	0,4		
		100	±1,5	±1,5	0,6	0,6		
4640070	F3 1-10ml	10000	±50,00	±0,5	20,00	0,2	Red	10ml , Flex 10ml Ext
		5000	±40,00	±0,8	15,00	0,3		
		1000	±20,00	±2,0	8,00	0,8		
4640080	F3 5-50µl Micro	50	±0,30	±0,60	0,15	0,30	Turquoise	50
		25	±0,25	±1,00	0,13	0,50		
		5	±0,15	±3,000	0,125	2,50		
4640090	F3 5-50µl Universal	50	±0,30	±0,60	0,15	0,30	Yellow	250 Universal, Flex 200
		25	±0,25	±1,00	0,13	0,50		
		5	±0,15	±3,000	0,125	2,50		
4640100	F3 0, 5-5ml	5000	±25,0	±0,50	10,0	0,20	Green	5ml
		2500	±17,5	±0,70	7,5	0,30		
		500	±10,0	±2,00	4,0	0,80		

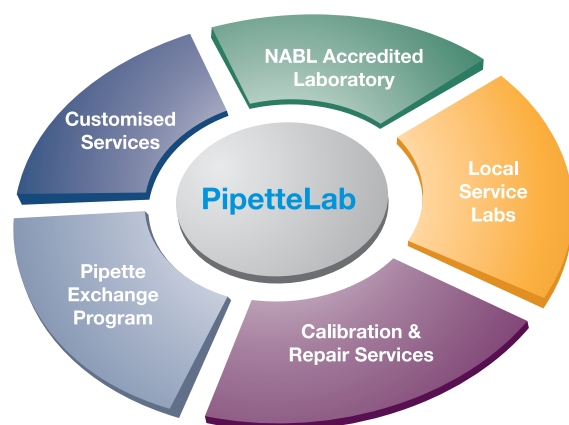
*s.d. = Standard Deviation, CV = Coefficient of Variation **Factory calibration limits

F3 Fixed volumes **

Cat. No.	Description	Volume	Inacc µl	Inacc %	Imprex s.d.*µl	CV%	Color Code	Finntip
4650000	F3 Fixed Volume 1µl Micro	1	±0,04	±4,0	0,04	4,0	Pink	10, Flex 10
4650010	F3 Fixed Volume 5µl Micro	5	±0,07	±1,4	0,07	1,4	Pink	10, Flex 10
4650020	F3 Fixed Volume 10µl	10	±0,09	±0,9	0,08	0,8	Yellow	250 Univ, 200 Ext, Flex 300
4650090	F3 Fixed Volume 20µl	20	±0,14	±0,7	0,10	0,5	Yellow	250 Univ. 200 Ext
4650030	F3 Fixed Volume 25µl	25	±0,15	±0,6	0,13	0,5	Yellow	250 Univ, 200 Ext, Flex 300
4650040	F3 Fixed Volume 50µl	50	±0,3	±0,6	0,2	0,4	Yellow	250 Univ, 200 Ext, Flex 300
4650050	F3 Fixed Volume 100µl	100	±0,4	±0,4	0,3	0,3	Yellow	250 Univ, 200 Ext, Flex 300
4650100	F3 Fixed Volume 200µl	200	±0,80	±0,4	0,60	0,3	Yellow	250 Univ. 200 Ext
4650060	F3 Fixed Volume 250µl	250	±1,0	±0,4	0,8	0,3	Blue	1000, Flex 1000
4650070	F3 Fixed Volume 500µl	500	±1,5	±0,3	1,5	0,3	Blue	1000, Flex 1000
4650080	F3 Fixed Volume 1000µl	1000	±3,0	±0,3	3,0	0,3	Blue	1000, Flex 1000

*s.d. = Standard Deviation, CV = Coefficient of Variation **Factory calibration limits

NABL Pre-calibrated Pipettes



NABL Accredited Pipette calibration services

Thermo Fisher Scientific India Pvt Ltd announces its calibration Lab with ISO/IEC/17025:2005 accreditation at Nasik.

NABL Pipette Lab services Include:

1. Calibration by trained experts.
2. Full Calibration as per ISO/IEC/17025:2005 standards
 - 10 measurements per test volume (Min, Mid, Max)
 - Calibration Report
 - NABL calibration certificate
3. Safe Transportation through PipetteBox

F2 NABL Pre-calibrated Pipettes

Cat. No.	Volume Range
4642030-N	Finnpipette F2 1-10 µl µTip
4642040-N	Finnpipette F2 1-10 µl
4642050-N	Finnpipette F2 2-20 µl µTip
4642060-N	Finnpipette F2 2-20 µl
4642120-N	Finnpipette F2 5-50 µl µTip
4642130-N	Finnpipette F2 5-50 µl
4642070-N	Finnpipette F2 10-100 µl
4642080-N	Finnpipette F2 20-200 µl
4642090-N	Finnpipette F2 100-1000 µl
4642100-N	Finnpipette F2 0,5-5 ml
4642110-N	Finnpipette F2 1-10 ml
4652000-N	Finnpipette F2 Fix. Vol. 1µl µTip
4652010-N	Finnpipette F2 Fix. Vol. 5µl µTip
4652020-N	Finnpipette F2 Fix. Vol. 10µl
4652030-N	Finnpipette F2 Fix. Vol. 25µl
4652040-N	Finnpipette F2 Fix. Vol. 50µl
4652050-N	Finnpipette F2 Fix. Vol. 100µl
4652060-N	Finnpipette F2 Fix. Vol. 250µl
4652070-N	Finnpipette F2 Fix. Vol. 500µl
4652080-N	Finnpipette F2 Fix. Vol. 1000µl
4652090-N	Finnpipette F2 Fix. Vol. 2ml
4652100-N	Finnpipette F2 Fix. Vol. 3ml
4652110-N	Finnpipette F2 Fix. Vol. 5ml
4652120-N	Finnpipette F2 Fix. Vol. 10ml
4652130-N	Finnpipette F2 Fix. Vol. 20µl
4652140-N	Finnpipette F2 Fix. Vol. 200µl
4662000-N	Finnpipette F2 8-ch. 1-10µl
4662010-N	Finnpipette F2 8-ch. 5-50µl
4662020-N	Finnpipette F2 8-ch. 10-100µl
4662030-N	Finnpipette F2 8-ch. 30-300µl
4662040-N	Finnpipette F2 12-ch. 1-10µl
4662050-N	Finnpipette F2 12-ch. 5-50µl
4662060-N	Finnpipette F2 12-ch. 10-100µl
4662070-N	Finnpipette F2 12-ch. 30-300µl

F3 NABL Pre-calibrated Pipettes

Cat. No.	Volume Range
4640000-N	F3 1-10µl micro
4640010-N	F3 1-10µl UNIV
4640020-N	F3 2-20µl
4640030-N	F3 2-20µl UNIV
4640040-N	F3 10-100µl
4640050-N	F3 20-200µl
4640060-N	F3 100-1000µl
4640070-N	F3 1-10ml
4640080-N	F3 5-50 µl Micr
4640090-N	F3 5-50 µl
4640100-N	F3 0.5 -5 mL
4650000-N	F3 - 1 µl Micro
4650010-N	F3 - 5 µl Micro
4650020-N	F3 - 10 µl
4650030-N	F3 - 25 µl
4650040-N	F3 - 50 µl
4650050-N	F3 - 100 µl
4650060-N	F3 - 250 µl
4650070-N	F3 - 500 µl
4650080-N	F3 - 1000 µl
4650090-N	F3 - 20 µl
4650100-N	F3 - 200 µl

Thermo Scientific™ Finntip™ Stepper Tips



Finntip Stepper Tips are the perfect fit with Thermo Scientific Finnpipette Stepper Pipettes.

The Finntip Stepper Tips are plunger-style tips for positive displacement pipetting. Seven sizes are available in sterile and non-sterile versions.

Details

- Plunger-style tips
- Overall dispensing range of 10 to 5000 µL
- Nonsterile tips are bulk packaged; sterile tips are individually wrapped

Certifications: ISO 9001 and ISO 14001

Volume Setting Chart for Finntip Stepper Tips

Wheel Position	1	2	3	4	5
Maximum No. of Deliveries	44	22	15	11	9
Volume/Delivery with					
0.5 mL Tip	10 µL	20 µL	30 µL	40 µL	50 µL
1.25 mL Tip	25 µL	50 µL	75 µL	100 µL	125 µL
2.5 mL Tip	50 µL	100 µL	150 µL	200 µL	250 µL
5.0 mL Tip	100 µL	200 µL	300 µL	400 µL	500 µL
12.5 mL Tip	250 µL	500 µL	750 µL	1000 µL	1250 µL
25 mL Tip	500 µL	1000 µL	1500 µL	2000 µL	2500 µL
50 mL Tip	1000 µL	2000 µL	3000 µL	4000 µL	5000 µL

Cat. No.	Description	Packaging Type
Finntip Stepper 0.5 mL, dispensing volume: 10, 20, 30, 40, 50 µL		
9404170	Finntip Stepper, 0.5 mL	100/box
9404173	Finntip Stepper, 0.5 mL, sterile	50/box
Finntip Stepper 1.25 mL, dispensing volume: 25, 50, 75, 100, 125 µL		
9404180	Finntip Stepper, 1.25 mL	100/box
9404183	Finntip Stepper, 1.25 mL, sterile	50/box
Finntip Stepper 2.5 mL, dispensing volume: 50, 100, 150, 200, 250 µL		
9404190	Finntip Stepper, 2.25 mL	100/box
9404193	Finntip Stepper, 2.25 mL, sterile	50/box
Finntip Stepper 5.0 mL, dispensing volume: 100, 200, 300, 400, 500 µL		
9404200	Finntip Stepper, 5.0 mL	50/box
9404203	Finntip Stepper, 5.0 mL, sterile	25/box
Finntip Stepper 12.5 mL, dispensing volume: 250, 500, 750, 1000, 1250 µL		
9404210	Finntip Stepper, 12.5 mL	50/box
9404213	Finntip Stepper, 12.5 mL, sterile	25/box
Finntip Stepper 25 mL, dispensing volume: 500, 1000, 1500, 2000, 2500 µL		
9404220	Finntip Stepper, 25 mL	20/box
9404223	Finntip Stepper, 25 mL, sterile	10/box
Finntip Stepper 50 mL, dispensing volume: 1000, 2000, 3000, 4000, 5000 µL		
9404230	Finntip Stepper, 50 mL	10/box
9404233	Finntip Stepper, 50 mL, sterile	10/box

Thermo Scientific™ Finntip™ Multistepper Pipette Tips



Finntip Multistepper Pipette Tips optimize the performance of Thermo Scientific Finn timer Multistepper pipettes.

Specifically designed for use with the Thermo Scientific Finn timer Multistepper Pipetter, this tip has a nominal volume of 1500 μL and accommodates standard 9mm microplate spacing. Finntip Multistepper Tips are available in racks of 96 tips, in both sterile and non-sterile versions.

Details

- For use with Thermo Scientific Finn timer Multistepper Pipetter
- Length: 8.8 cm
- Volume: 1500 μL

Certifications: ISO 9001 and ISO 14001

Cat. No.	Description	Packaging Type
Finntip Multistepper, 1500 μL, 8.5 cm, Turquoise		
9401300	Finntip Multistepper	400/box
9401330	Finntip Multistepper	10 x 96/rack
9401333	Finntip Multistepper, sterile	10 x 96/rack



Thermo Scientific™ Finnpiquette™ Novus Single Channel Electronic Pipetters

Finnpiquette Novus Single Channel Electronic Pipetters offer performance with simple operation and reduced stress for comfortable, productive pipetting.

Finnpiquette Novus delivers performance with greater ease of use and reduced risk of injury. Unique to Novus, the adjustable index-finger trigger action reduces common repetitive stress injuries caused by thumb-driven pipettes, and the easy-to-follow prompts guide Novus users through 10 pipetting functions.

Details

- **Intuitive user interface** features a simple button layout and no abbreviations
- **Seven languages:** Operate in the user's native language (English, French, German, Italian, Japanese, Spanish, Swedish)
- **Backlit technology** eliminates surrounding light reflections and improves contrast in low-light conditions
- **10 pipetting functions and nine aspirate/dispense speeds:** Ultimate in flexibility with options not available in manual pipettes
- **Personalize up to nine programs** for your most common protocols: Save time and ensure accurate and precise pipetting
- **Easy in-lab, 2- or 1-point calibration:** Provides accurate and precise results in different applications
- **Fully autoclavable tip cone:** Prevents cross-contamination
- **Long-life lithium-ion battery** allows approximately 4,000 pipetting operations; recharges in approximately one hour
- **A large volume range from 1 µL up 10 mL:** Meets virtually any application need

Ergonomic Design

- **Natural index finger pipetting operation:** Lets the thumb relax while pipetting
- **Adjustable finger rest:** For balance and comfort
- **Soft-touch tip ejection:** Minimizes thumb strain
- **Extremely lightweight construction:** Work longer without fatigue



Ordering Information: Ideal for use with Thermo Scientific Finnpiquette tips as specified in the ordering table. Also compatible with most universal-fit tips.

Includes: Finnpiquette Novus, Universal charger, service tool, instruction manual and calibration certificate

Warranty: Two years with Web registration

Cat. No.	Volume Range (calibration)	Volume Range (functional**)	Increment	Accuracy %*	Precision %*	Color code	Compatible Finnpiquette
46200000	1-10 µL micro	0.5-10 µL	0.01 µL	±3.5 to ±1.0	3.0 to 0.5	Pink	Flex 10, 10, 20 micro, 50 micro
46200100	1-10 µL	0.5-10 µL	0.01 µL	±7.0 to ±1.0	6.0 to 0.5	Yellow	Flex 200, 250 Univ., 200 Ext.
46200200	5-50 µL micro	2.5-50 µL	0.1 µL	±3.0 to ±0.8	2.5 to 0.3	Turquoise	50
46200300	5-50 µL	2.5-50 µL	0.1 µL	±3.0 to ±0.8	2.5 to 0.3	Yellow	Flex 200, 250 Univ., 200 Ext.
46200400	10-100 µL	5-100 µL	0.1 µL	±3.0 to ±0.8	1.0 to 0.2	Yellow	Flex 200, 250 Univ., 200 Ext.
46200500	30-300 µL	15-300 µL	1 µL	±3.0 to ±0.6	0.7 to 0.2	Orange	Flex 300, 300
46200600	100-1000 µL	50-1000 µL	1 µL	±3.0 to ±0.6	0.6 to 0.2	Blue	Flex 1000, 1000, 1000 Ext.
46200700	0.5-5 mL	0.25-5 mL	0.01 mL	±3.0 to ±0.6	0.8 to 0.2	Green	5 mL
46200800	1-10 mL	0.5-10 mL	0.01 mL	±3.0 to ±0.6	0.8 to 0.2	Red	10 mL, Flex 10 mL Ext.

*Factory calibration limits achieved under strictly controlled conditions (ISO 8655).

**The Functional volume range indicates the volume range that the pipette can cover in the Stepper, Sequential Stepper and Sequential Aspirate functions.

Thermo Scientific™ Finnpiquette™ Novus Multichannel Electronic Pipetters



Ordering Information: Ideal for use with Thermo Scientific Finnpiquette tips, as specified in the ordering table. Also compatible with most universal-fit tips.

Includes: Finnpiquette Novus, universal charger, service tool, instruction manual and calibration certificate

Warranty: Two years with Web registration

Finnpiquette Novus Multichannel Pipetters offer superior performance for microplate applications.

Finnpiquette Novus pipetters deliver outstanding performance with greater ease of use and less risk of injury. Unique to Novus pipetters, the adjustable index-finger trigger action prevents common repetitive stress injuries caused by thumb-driven pipettes, and the easy-to-follow prompts guide users through 10 pipetting functions.

Repetitive dispensing with stepper functionality excels at filling microplates by saving time and effort compared to manual pipettes. Dispensing of two selected volumes with an air cap between, followed by a mix step with DILUTE+MIX function, is excellent for the preparation of standard curves. The Novus 1200 µL 8-channel pipette is ideal for high volume stepping of an entire plate, (e.g., dispense 100 µL up to 12 columns). The pipetter is also a practical tool for filling high volume deep well plates. For 384-microplate applications, choose the Novus 16-channel model.

State 10 Pipetting functions

- **Intuitive user interface** features a simple button layout and no abbreviations
- **Seven languages:** Operate in the user's native language (English, French, German, Italian, Japanese, Spanish, Swedish)
- **Backlit technology** eliminates surrounding light reflections and improves contrast in low-light conditions
- **10 pipetting functions and nine aspirate/dispense speeds:** Ultimate in flexibility and variety not available in manual pipettes
- **Personalize up to nine programs** for your most common protocols: Save time and ensure accurate and precise pipetting
- **Easy in-lab, 2- or 1-point calibration:** For accurate and precise results in different applications
- **Fully autoclavable tip cones***:** Prevents cross-contamination
- **Long-life lithium-ion battery** allows approximately 4,000 pipetting operations; recharges in approximately one hour
- **A large volume range from 1 µL up 1200 µL:** Accommodates many applications

Ergonomic Design

- **Natural index finger pipetting operation:** Lets the thumb relax while pipetting
- **Adjustable finger rest:** For balance and comfort
- **Soft-touch tip ejection:** Minimizes thumb strain
- **Extremely lightweight construction:** Work longer without fatigue

Cat. No.	Channels	Range (calibration)	Range (functional**)	Increment	Accuracy %*	Precision %*	Color code	Compatible Finnpiquette
46300000	8	1-10 µL	0.5-10 µL	0.1 µL	±12.0 to ±2.4	8.0 to 1.6	Pink	Flex 10, 10, 20 micro, 50 micro
46300100	12	1-10 µL	0.5-10 µL	0.1 µL	±12.0 to ±2.4	8.0 to 1.6	Pink	Flex 10, 10, 20 micro, 50 micro
46300200	8	5-50 µL	2.5-50 µL	0.1 µL	±5.0 to ±1.5	2.0 to 0.7	Yellow	Flex 200, 200 Ext, 250
46300300	12	5-50 µL	2.5-50 µL	0.1 µL	±5.0 to ±1.5	2.0 to 0.7	Yellow	Flex 200, 200 Ext, 250
46300700	16	5-50 µL	2.5-50 µL	0.1 µL	±5.0 to ±1.5	2.0 to 0.7	Turquoise	50
46300400	8	30-300 µL	15-300 µL	1 µL	±5.0 to ±1.0	2.0 to 0.3	Orange	Flex 300, 300
46300500	12	30-300 µL	15-300 µL	1 µL	±5.0 to ±1.0	2.0 to 0.3	Orange	Flex 300, 300
46300800	8	100-1200 µL	50-1200 µL	1 µL	±3.0 to ±1.0	0.9 to 0.2	Turquoise	Flex 1200

*Factory calibration limits achieved under strictly controlled conditions (ISO 8655). **The Functional volume range indicates the volume range that the pipette can cover in the Stepper, Sequential Stepper and Sequential Aspirate functions. ***Except the 8-channel 1200 µL model

Thermo Scientific™ Finnpiquette™ Novus GLP Kits

Finnpiquette Novus Single Channel Electronic Pipettors offer performance with simple operation and reduced stress for comfortable, productive pipetting.

Finnpiquette Novus delivers performance with greater ease of use and reduced risk of injury. Unique to Novus, the adjustable index-finger trigger action reduces common repetitive stress injuries caused by thumb-driven pipettes, and the easy-to-follow prompts guide Novus users through 10 pipetting functions.

Details

- **Intuitive user interface** features a simple button layout and no abbreviations
- **Seven languages:** Operate in the user's native language (English, French, German, Italian, Japanese, Spanish, Swedish)
- **Backlit technology** eliminates surrounding light reflections and improves contrast in low-light conditions
- **10 pipetting functions and nine aspirate/dispense speeds:** Ultimate in flexibility with options not available in manual pipettes
- **Personalize up to nine programs** for your most common protocols: Save time and ensure accurate and precise pipetting
- **Easy in-lab, 2- or 1-point calibration:** Provides accurate and precise results in different applications
- **Fully autoclavable tip cone:** Prevents cross-contamination
- **Long-life lithium-ion battery** allows approximately 4,000 pipetting operations; recharges in approximately one hour
- **A large volume range from 1 µL up 10 mL:** Meets virtually any application need

Thermo Scientific Finnpiquette Novus GLP Pack

Cat. no.	Description
4700470	GLP Novus Kit 1 (10-1000 µl)
4700490	GLP Novus Kit 2 (100-5000 µl)
4701120	GLP Novus Kit 3 (1-1000 µl)
4701130	GLP Novus Kit 4 (10-10000 µl)

Novus GLP Kit 1 (10-100 µL)

Novus, 10-100 µL
Novus, 100-1000 µL
Novus Stand
Flex: 200 rack, 1 × 96/rack
Flex: 1000, 1 × 96/rack
Pipetting Guide,
Novus brochure
Reagent reservoir demo pack
Finntip Sample Pack

Novus GLP Kit 2 (100-1000 µL)

Novus, 100-1000 µL
Novus, 0.5-5 ml
Novus Stand
Flex: 1000 rack, 1 × 96/rack
Flex: 5 ml, 1 × 54/rack
Pipetting Guide,
Novus brochure
Reagent reservoir demo pack
Finntip Sample Pack

Novus GLP Kit 3 (1-10 µL)

Novus, 1-10 µL, micro**
Novus, 10-100 µL
Novus, 100-1000 µL
Novus Stand
Flex: 10 rack, 1 × 96**
Flex: 200 rack, 1 × 96
Flex: 1000 rack, 1 × 96
Pipetting Guide,
Novus brochure
Reagent reservoir demo pack
Finntip Sample Pack

***Novus 1-10µl Universal (46200100) replaced with Novus 1-10µl Micro model (46200000). Another Flex 200 rack replaced with Flex 10 rack.*

Novus GLP Kit 4 (10-100 µL)

Novus, 10-100 µL
Novus, 100-1000 µL
Novus, 1-10 mL
Flex: 200 rack, 1 × 96
Flex: 1000 rack, 1 × 96
Flex: 10 ml Ext 1 pcs
Finntip 10 ml rack, 1 × 54
Pipetting Guide,
Novus brochure
Reagent reservoir demo pack
Finntip Sample Pack



Thermo Scientific™ Finnpiquette™ Dispensers



Finnpiquette Dispensers – a superior tool for dosing liquids from reagent bottles.

Finnpiquette Dispensers protect users even when handling aggressive liquids. Six models are available, covering volumes between 0.2 and 60 mL.

Details

- Ergonomically designed, non-slip piston handle
- Excellent chemical and thermal resistance
- Fully autoclavable without disassembling
- Precise self-locking system in the volume setting
- Volumes are absolutely reproducible
- Dispensing head cap prevents dripping
- Universal fit for reagent bottles
- Ergonomic design prevents work fatigue
- Comprehensive volume range
- Threaded suction hose for bubble-free suction

Ergonomics:

- Ergonomic and non-slip handle knob
- Dispenser surface roughened for non-slip grip
- Easy to adjust volume adjustment wheel

Warranty: One year

Certifications: Individual calibration certificate with serial number

Notes: Limitations include HF, liquids that attack Halar, FEP or Hastelloy suspensions because solid particles might block the valves.

Cat. No.	Description	Accuracy	Precision
4421120	Range: 0.2-1.0 mL	±6.0 µL	2.0 µL
4421130	Range: 0.4-2.0 mL	±12.0 µL	4.0 µL
4421140	Range: 1-5 mL	±30.0 µL	10.0 µL
4421150	Range: 2-10 mL	±60.0 µL	20.0 µL
4421160	Range: 5-30 mL	±180 µL	60.0 µL
4421170	Range: 10-60 mL	±360 µL	120 µL

Cat. No.	Finnpiquette Dispenser Accessories	Qty./ Unit
4421260	Bottle Adapters A25 & A38 (one of each)	2
4421270	Extended Suction Tube, 0,2-10 mL	1
4421280	Extended Suction Tube, 5-60 mL	1
4421290	Extended Discharge Tubing, 0,2-10 mL	1
4421300	Extended Discharge Tubing, 5-60 mL	1

Thermo Scientific™ Finnpiquette™ Accessories

Finnpiquette Stands provide safe and convenient manual and electronic pipetter storage.

The **Finnpiquette F-stand** accommodates six pipettes. The sturdy crossbar structure with a slot for each pipetter enables it to sit snugly in the stand. The Finnpiquette F-stand is suitable for both single channel and multichannel models.

The **Finnpiquette multichannel stand** is a multi-position stand for a multichannel pipetter. The pipetter can be stored in an upright or horizontal position. The stand has a small footprint and can hold any multichannel Finnpiquette.

The **Finnpiquette Novus stand** is designed for convenient storage of an electronic Finnpiquette Novus pipetter. Both single channel and multichannel Finnpiquette Novus models can be accommodated with ease.



Finnpiquette F-stand

Cat. No.	Stands for Manual and Electronic Finnpiquettes	Qty./ Unit
9420400	F-Stand, Linear Stand, white, 6 positions	1
9420390	Multichannel Pipetter Stand, 1 position	1
9420290	Pipette Stand, gray, for 6 pipetters	1
9420340	Carousel Stand, for 6 manual or 3 electronic pipetters, including cover	1
9420360	Novus Single Pipetter Stand	1



Finnpiquette multichannel stand



Finnpiquette Novus stand

LabServ™ Bottle Top Dispensers



Features:

- Excellent Chemical
- Compatibility
- Fully Autoclavable
- Easy to calibrate
- Removable Piston
- Spring less - Precision valve mechanism
- ADC - Anti Drip Cap
- Adapters available in 5 sizes Diameter size in 28, 32, 36, 40 & 45 mm

Benefits:

- Multiple applications with range of chemicals and fluids
- Suits Microbiological applications
- Hassel free operation
- Easy to clean
- Easy priming & no wastage
- Prevents leakage of valuable Reagents
- Fits to almost every size of bottle used in lab

Traceability to an NABL accredited lab & complete documentation back up



Cat. No.	Description	Increments	Pack
FSBT9550	LabServ™ - Bottle Top Dispenser 0.25 to 2.5 ml	0.05ml	Each
FSBT9555	LabServ™ - Bottle Top Dispenser 0.5 to 5.0 ml	0.10ml	Each
FSBT9560	LabServ™ - Bottle Top Dispenser 1 to 10.0 ml	0.20ml	Each
FSBT9565	LabServ™ - Bottle Top Dispenser 1 to 30.0 ml	0.50ml	Each
FSBT9570	LabServ™ - Bottle Top Dispenser 5 to 60.0 ml	1.00ml	Each
FSBT9575	LabServ™ - Bottle Top Dispenser 10 to 100.0 ml	2.00ml	Each
FSBT9655	Set of 5 Adaptors-LabServ™ Bottle Top Dispenser	—	5/Pack



*Depend on
the full range
of superior
Thermo Scientific
solutions...*

► Cell Culture

Essential products for your cell culture laboratory

Thermo Scientific Nunc cell culture products have been used by researchers worldwide for more than 50 years. We take pride in manufacturing products with consistent high quality to ensure you get the most reproducible and reliable results in your research.

With surface areas ranging from 0.013 cm² to 25,280 cm², Nunc cell culture products allow for easy scale up when expanding cultures, and our surfaces address most applications.



Thermo Scientific™ Matrix™ Serological Pipette Filler



The **Matrix Serological Pipet Filler** is a lightweight, cordless pipet filler that allows longer, fatigue-free pipetting.

The Matrix Serological Pipet Filler is an intuitive, lightweight, cordless pipet filler for use with glass or plastic serological pipets. Easy and comfortable to operate, it features a heavy-duty rechargeable lithium-ion battery that is guaranteed for life and allows the pipet filler to operate approximately three to four times longer between charges than typical units using nickel cadmium batteries. Available in a choice of five colors, the Matrix Serological Pipet Filler can be wall mounted or placed in its table stand. It includes a 1 mL pipet support to eliminate “wobble” when using 1 mL pipets.

Details

- Large backlit LCD display provides visual confirmation of remaining battery charge and speed settings
- Separate aspirate and dispense speed controls provide precise control over pipetting speeds and reduce risk of overpipetting with smaller pipets
- Rechargeable lithium-ion battery comes with lifetime guarantee, and offers long runtime per charge while eliminating battery memory problems
- Battery has rapid charge rate of 80% in one hour and delivers up to 15 hours of continuous operation before recharge
- Nosepiece can accommodate pipets from 1 to 100 mL; included 1 mL pipet stabilizer prevents 1 mL pipets from wobbling or coming loose from nose piece
- Comes with weighted table stand and a convenient wall-mountable holder

Separate Aspirate and Dispense Speed Controls

- Buttons on the rear of the instrument allow the individual setting of aspiration (upper button) and dispense (lower button) speeds
- Eight speeds are available for each function: Simply push for faster or slower
- Selection displayed on the LCD screen
- A zero speed selection on dispense enables gravity dispensing, and extra slow aspiration speeds prevent overpipetting when using 1 mL pipets

Includes: Matrix Serological Pipet Filler, universal charger, table stand, wall-mounted holder, 1 mL pipet support, instruction manual and warranty card

Warranty: One year

Specifications	
Aspirate Speeds	8
Dispense Speeds	8 (+ Gravity Dispense)
Battery	Lithium-ion
Approx. Runtime Between Charges	15 Continuous Hours
Recharge Time	3 hrs.
Weight	220 g
Nosepiece Pipet Holder	Autoclavable Silicone Rubber
Pipette Compatibility	All major brands of glass or plastic serological pipettes, 1 to 100 mL
Filter Assembly	0.45 µ Standard

Cat. No.	Color
9531	Matrix Serological Pipet Filler, Red
9541	Matrix Serological Pipet Filler, Green
9501	Matrix Serological Pipet Filler, White
9511	Matrix Serological Pipet Filler, Clear
9521	Matrix Serological Pipet Filler, Blue

Thermo Scientific™ Matrix™ Pipetter Accessories

Matrix Pipetter Accessories are optimized for use with Matrix Electronic Pipettors and Matrix Serological Pipet Fillers.

Pipetter Stands for Matrix Electronic Pipettors

- **Single stand:** Free-standing metal unit holds one Matrix electronic single or multichannel pipetter
- **Three-position wall rack:** For Matrix electronic single or multichannel pipettors; includes mounting hardware
- **Six-position revolving stand:** Ideal for labs using multiple pipettors; rotates freely to keep your bench top organized

Tube Racks

- Helps you take full advantage of the expandable tip system on a Matrix EXP or Equalizer electronic pipettors
- Two different tube racks are available for simple reformatting from tubes to microplates
- Test tube racks work with either 12 × 75 mm or 13 × 100 mm test tubes in an 8 × 12 or 5 × 12 format
- Microcentrifuge tube rack works with either 0.5 mL or 1.5 mL tubes

Matrix Serological Pipet Filler Accessories

- **The wall-mounted holder and table stand** offer compact storage between applications. It is possible to recharge the pipet filler in both stands by plugging in the charger. The wall-mounted holder is excellent for storing pipet filler when working in laminar flow cabinets to save space. The wing stand** allows setting the Matrix Serological Pipet Filler down without removing or emptying the serological pipet.
- **The easy-to-change filter** prevents aerosol or liquid cross contamination of the pipet together with an autoclavable silicone adapter. The 1 mL Pipet Support ensures that 1 mL pipets will hold as securely as larger sizes.



Single Pipet Filler Wall-mounted Holder



1 mL Pipet Support

Cat. No.	Stands for Manual and Electronic Finnpiettes	Qty./ Unit
Matrix Serological Pipette Filler Accessories		
9066	Single Pipette Filler Wall-mounted Holder	1
9067	Single Pipette Table Stand	1
9069	Wing Stand for Serological Pipette Filler	1
9057	Hydrophobic Filters, 0.45 µm	25/case
4580560	Hydrophobic Filters, 0.45 µm, Non Sterile	5/case
9065-11	Silicone Pipette Gripper	4/case
9070	1 mL Pipette Support	1
POR = Price on Request		

Thermo Scientific™ Reagent Reservoirs



Our Reagent Reservoirs provide a wide variety of solutions to support all of your pipetting procedures.

Our product innovation extends beyond Thermo Scientific pipettors and tips. Even our reagent reservoirs have been designed to provide tailored solutions. Four variations of reservoirs are available: 25 mL, 25 mL with divider, 100 mL and a reusable polypropylene 75 mL reservoir.

Details

- **Single use reservoirs:** 25 mL, 25 mL divided and 100 mL
- **Trough within a trough** maximizes the amount of liquid accessible to pipette tips when using small amounts of reagent
- **Pour-off spouts on all four corners** reduce spillage when pouring reagents out of reservoir
- **Graduations on inside wall** enable quick measurement of remaining liquid
- **Extra-wide base** adds rigidity and stability to reservoir, helping to avoid spills
- **25 mL divided reservoir** allows the pipetting of two different reagents with up to eight channels on one side, and up to four on the other; maximizes recovery if using only single channel and a small amount of reagent
- **Sterile reservoirs** are packaged in snap-and-tear bags for sterility and easy opening

60 mL reagent basin

- Unique V-shape: ideally suited for multichannel pipettors
- Autoclavable polypropylene

8-Channel reagent vessel

- Capacity: 10 mL/channel
- Autoclavable polypropylene

Cat. No.	Description
9510027	Reagent Basin, 60 mL, 5/Box
9510037	Reservoir, 8-well, 10 mL, 10/Box
9510047	Reservoir, 1-well, 100 mL, 10/Box

Thermo Scientific Reagent Reservoirs

Details

- Trough-within-a-trough maximizes amount of liquid accessible to pipette tips when using small amounts of reagent
- **Pour-off spouts** on all four corners reduce spillage when pouring reagents out of reservoir
- **Graduations** on inside wall enable quick measurement of remaining liquid
- **Extra-wide base** adds rigidity and stability to reservoir, helping to avoid spills
- Sterile reservoirs are packaged in **snap-and-tear bags for sterility** and easy opening
- **25 mL divided reservoir** allows the pipetting of two different reagents with up to eight channels on one side, and up to four on the other; maximizes recovery if using only single channel and small amount of reagent



Cat. No.	Capacity	Pack size
Sterile Polystyrene		
8093-11	25 mL	10 Bags of 10
8094	25 mL	Indiv.wrapped
8095	25 mL, with divider	10 Bags of 10
8096-11	25 mL, with divider	50 Indiv.wrapped
8085	100 mL	10 Bags of 10
8086	100 mL	50 Indiv.wrapped
Autoclavable Polypropylene		
8075-11	75 mL, without divider	10 per case
Reservoir Lids		
8076	75 mL	10 per case

POR = Price on Request

Thermo Scientific™ Finntip™ Compatibility Chart

	Finntip (sterile and non-sterile)															Finntip Filter (sterile)																								
Finnpipette	10 micro	10 Flex micro	20 micro	50 micro	250 univ	200 Ext	200 Flex	300	300 Flex	1000 Ext	1000	1000 Flex	1200 Flex	5 mL	10 mL	10 mL Flex Ext	10 Flex micro	10 micro	10 univ	20 micro	20 univ	30 Flex	30 univ	50 micro	100 Flex	100 Ext	100 univ	200 Flex	200 Ext	200 univ	300 Flex	300	1000 Ext	1000	1000 Flex	1200 Flex	5 mL	10 mL	10 mL Flex Ext	
F1 0.2-2 µL	•	•	•	•													•	•		•				•																
F1 0.5-5 µL	•	•	•	•													•	•		•				•																
F1 1-10 µL micro	•	•	•	•													•	•		•				•																
F1 1-10 µL					•	•	•	•	•										•		•	•	•																	
F1 2-20 µL micro			•	•																•				•																
F1 2-20 µL					•	•	•	•	•													•	•																	
F1 5-50 µL micro				•																				•																
F1 5-50 µL					•	•	•	•	•																•	•	•	•	•	•	•	•								
F1 10-100 µL					•	•	•	•	•																•	•	•	•	•	•	•	•								
F1 20-200 µL					•	•	•	•	•																			•	•	•	•	•	•							
F1 30-300 µL								•	•																							•	•							
F1 100-1000 µL										•	•	•	•																				•	•	•	•				
F1 0.5-5 mL														•																							•			
F1 1-10 mL															•	•																					•	•		
F1 8-ch 1-10 µL	•	•	•	•													•	•		•				•																
F1 12-ch 1-10 µL	•	•	•	•													•	•		•				•																
F1 8-ch 5-50 µL					•	•	•	•	•																•	•	•	•	•	•	•	•								
F1 12-ch 5-50 µL					•	•	•	•	•																•	•	•	•	•	•	•	•								
F1 8-ch 10-100 µL					•	•	•	•	•																•	•	•	•	•	•	•	•								
F1 12-ch 10-100 µL					•	•	•	•	•																•	•	•	•	•	•	•	•								
F1 8-ch 30-300 µL								•	•																							•	•							
F1 12-ch 30-300 µL								•	•																							•	•							
F1 16-ch 1-10 µL			•	•																•				•																
F1 16-ch 5-50 µL				•																				•																
F2 0.2-2 µL	•	•	•	•													•	•		•				•																
F2 0.5-5 µL	•	•	•	•													•	•		•				•																
F2 1-10 µL micro	•	•	•	•													•	•		•				•																
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F2 10-100 µL					•	•	•	•	•																•	•	•	•	•	•	•	•								
F2 20-200 µL					•	•	•	•	•																			•	•	•	•	•								
F2 100-1000 µL										•	•	•	•																				•	•	•	•				
F2 0.5-5 mL														•																							•			
F2 1-10 mL															•	•																					•	•		
F2 8-ch 1-10 µL	•	•	•	•													•	•		•				•																
F2 12-ch 1-10 µL	•	•	•	•													•	•		•				•																
F2 8-ch 5-50 µL					•	•	•	•	•																•	•	•	•	•	•	•	•								
F2 12-ch 5-50 µL					•	•	•	•	•																•	•	•	•	•	•	•	•								
F2 8-ch 10-100 µL					•	•	•	•	•																•	•	•	•	•	•	•	•								
F2 12-ch 10-100 µL					•	•	•	•	•																•	•	•	•	•	•	•	•								
F2 8-ch 30-300 µL								•	•																							•	•							
F2 12-ch 30-300 µL								•	•																							•	•							
F2 16-ch 1-10 µL			•	•																•				•																
F2 16-ch 5-50 µL				•																				•																
Novus 1 - 10 µL micro	•	•	•	•													•	•		•				•																
Novus 1 - 10 µL					•	•	•	•	•										•		•	•	•		•															
Novus 5 - 50 µL micro				•																				•																
Novus 5 - 50 µL					•	•	•	•	•																															

The Importance of Pipette Tip Quality



Key Words

- dFMEA is the application of the Failure Mode and Effects Analysis method specifically used in product design.
- pFMEA is the application of the Failure Mode and Effects Analysis method specifically used in the production process.
- Process verification is the layer of quality that involves examining current processes and steps involved in creating the finished goods.
- Inspection is the layer of quality involving hands-on testing of pipette tips for potential failures and defects.
- Process control is the layer of quality that focuses on auditing and examining each process for potential improvements and efficiencies.
- Detection is the layer of quality where defects and failures are discovered, examined and broken down into their components.
- Prevention is the layer of quality focused on taking corrective action to ensure that future products exhibit the highest quality and reliability.
- Practical Process Improvement (PPI) is the process by which we are continuously and proactively improving our processes, with our eye always on the customer.

Thermo Scientific quality

A wise man once said, **“Quality is not an act, it is a habit.”** Although Aristotle spoke these profound words around the 4th century BC, this statement is still relevant centuries later. Thermo Scientific products have been continuously enhanced and improved to meet the ever changing needs of pipetting. Pipette tips are consumable products trusted by millions of dedicated researchers around the world. Thermo Scientific takes this responsibility extremely seriously and thus makes every attempt possible to uphold the highest quality standards for pipette tips and packaging.

Why is having a quality pipette tip important?

Having a high-quality pipette tip can have a profound impact on the ability of the researcher to perform his/her job. A pipette tip that is not manufactured consistently will not exhibit reliable accuracy and precision. This can be due to many factors, such as a poor fit with the pipette and inconsistent tip dimensions. Thus, results cannot be relied on and the experiment will ultimately need to be performed again. Undoubtedly redoing experiments wastes not only money in terms of additional reagent, sample and consumables costs, but more importantly wastes the researcher’s time. Researchers simply cannot afford the money and time wasted if such a commonly used consumable, such as pipette tips, hinders their work.

Another potential, and more damaging result of using a pipette tip of poor quality is the impact on long-term comfort and repetitive stress injury. The overall comfort of the pipette can also have an immediate impact on the user’s ability to perform the desired task efficiently and consistently. A poorly fitting pipette tip requires more force by the researcher to load and eject, potentially causing injury and discomfort. Ergonomic issues such as these may cause significant reductions in accuracy and repeatability by impairing the proper pipetting techniques that are crucial to achieving optimal results.

Outside of just comfort, it is important to understand that a pipette is only as good as the tip you put on it. Thermo Scientific pipette tips are manufactured and tested with market leading pipette brands to ensure accuracy and precision regardless of the instrument in use. Reproducible results are the key to a successful experiment, and without proper pipette and tip fits, these characteristics are less likely. For this reason, scientists around the world have chosen Thermo Scientific pipette tips to provide precise sample delivery with virtually any pipette in the lab.

Components of quality at Thermo Scientific

Thermo Scientific places the highest standards of quality on its products in order to ensure that premium quality products are consistently delivered to its customers. To this end, Thermo Scientific has developed an interactive approach to the design and manufacturing process of pipette tips. This approach consists of three major components:

- Quality Systems – a continuous cycle of feedback and improvement in every stage of the product design and manufacturing process
 - Design quality into products (dFMEA)
 - Design quality into the process of making and shipping products (pFMEA)
 - Rigorous defect prevention, detection methods and product inspection criteria – 5 layers of quality
 - Process verification
 - Inspection
 - Process control
 - Detection
 - Prevention
- Continuous improvement of products and processes through Practical Process Improvement
- Internal and external audits of processes
- Effective root cause analysis
- Certifications – using external certifications to validate the quality systems
 - Ensures quality systems continually comply with the highest standards
 - Covers design, manufacture, and assembly of products for laboratory use and research
 - Continuous review and improvement of quality systems
 - Certifications include:
 - ISO 13485:2003
 - In Vitro Diagnostic Device Directive (IVDD 98/79/EC)
- Customers – proactive customer feedback allows continual monitoring of product quality and allows for immediate corrective action to be made if issues are uncovered.
 - Proactive customer feedback through experience surveys
 - **CAS (customer allegiance scores)** allows continual monitoring of quality and service
 - Review and identify customer complaints and correct quality issues quickly and professionally

What quality means to Thermo Scientific

Thermo Scientific has long been the market leader in providing high-quality pipette tips. By strictly adhering to the highest quality processes and procedures, these products attain dependable accuracy and precision, as well as uncompromised quality. Choose Thermo Scientific for the highest quality tips in the industry.



Thermo Scientific™ Finntip™ Pipette Tips



Finntip* pipette tips are manufactured using high quality materials and the latest molding techniques for proven reliability.

Thermo Scientific Finntip pipette tips are designed for full compatibility with their matching Finn timer pipettors, providing a perfect sealing of the tip along with optimum pipetting accuracy and precision. Manufactured with highest quality materials in automated production facilities, Finntip pipette tips deliver a superior pipetting solution for discerning users.

The Finntip product line covers a wide volume range from 0.2 µL to 10 mL. Available offerings include standard pipette tips as well as **macro volume, extended, wide orifice and filtered designs** in various packaging options. Also available are sterile racked tips that are certified free from **DNA, DNase, RNase and endotoxin**.

Details

- Manufactured from highest quality virgin polypropylene raw materials
- Versatile product offering including macro volume, extended, wide orifice and filtered design
- Wide volume range of 0.2 µL to 10 mL
- Sterile product versions certified free from DNA, DNase, RNase and endotoxin available
- Color-coded racks to match the compatible Finn timer pipette

Pipetter Compatibility: Finntip pipette tips are optimized for use with Finn timer pipettors. The universal design enables the compatibility also with pipettors from other manufacturers.

Certifications: Manufactured according to ISO 9001, ISO 14001 and ISO 13485 (CE/IVD certified).

Cat. No.	Description	Packaging Type	Compatible Finn timer Pipettes
Finntip 10, 0.2-10 µL, 3.2 cm, Pink (Rack Colour)			
9400310	Finntip 10	1000/bag	F1 (4641010, 4641020, 4641030, 4661000, 4661040), F2 (4642010, 4642020, 4642030, 4662000, 4662040), Novus (46200000, 46300000, 46300100)
9400300	Finntip 10	10 × 96/rack	
9400303	Finntip 10 sterile	10 × 96/rack	
9400327	Finntip 10 refill	20 × 192/refill	
Finntip 20, 0.2-20 µL, 3.3 cm, Purple (Rack Colour)			
9400620	Finntip 20	1000/bag	F1 (4641010, 4641020, 4641030, 4641050, 4661000, 4661040, 4661080), F2 (4642010, 4642020, 4642030, 4642050, 4662000, 4662040, 4662080), Novus (46200000, 46300000, 46300100)
9400610	Finntip 20	10 × 384/rack	
9400613	Finntip 20 sterile	10 × 384/rack	
Finntip 50, 0.2-50 µL, 4.8 cm, Turquoise (Rack Colour)			
9400360	Finntip 50	1000/bag	F1 (4641010, 4641020, 4641030, 4641050, 4641130, 4661000, 4661040, 4661080, 4661090), F2 (4642010, 4642020, 4642030, 4642050, 4642120, 4662000, 4662040, 4662080, 4662090), Novus (46200000, 46200200, 46300000, 46300100, 46300700)
9400370	Finntip 50	10 × 384/rack	
9400373	Finntip 50 sterile	10 × 384/rack	
Finntip 250 Universal, 0.5-250 µL, 5.2 cm, Yellow (Rack Colour)			



Cat. No.	Description	Packaging Type	Compatible Finnpiettes
9400230	Finntip 250 Universal	1000/bag	F1 (4641040, 4641060, 4641140, 4641070, 4641080, 4661010, 4661020, 4661050, 4661060), F2 (4642040, 4642060, 4642130, 4642070, 4642080, 4662010, 4662050, 4662020, 4662060), Novus (46200100, 46200300, 46200400, 46300200, 46300300)
9400220	Finntip 250 Universal	20,000/bulk	
9400260	Finntip 250 Universal	10 × 96/rack	
9400263	Finntip 250 Universal sterile	10 × 96/rack	
9400267	Finntip 250 Universal refill	20 × 96/refill	
Finntip 300, 5-300 µL, 5.2 cm, Orange (Rack Colour)			
9401250	Finntip 300	10 × 96/rack	F1 (4641040, 4641060, 4641140, 4641070, 4641080, 4641090, 4661010, 4661020, 4661050, 4661060, 4661030, 4661070), F2 (4642040, 4642060, 4642130, 4642070, 4642080, 4662010, 4662050, 4662020, 4662060, 4662030, 4662070), Novus (46200100, 46200300, 46200400, 46200500, 46300200, 46300300, 46300400, 46300500)
9401253	Finntip 300 sterile	10 × 96/rack	
9401255	Finntip 300 refill	20 × 96/refill	
9401260	Finntip 300	1000/bag	
Finntip 1000, 100-1000 µL, 7.1 cm, Blue (Rack Colour)			
9401030	Finntip 1000	1000/bag	F1 (4641100) F2 (4642090) Novus (46200600)
9401110	Finntip 1000	10 × 96/rack	
9401113	Finntip 1000 sterile	10 × 96/rack	
9401115	Finntip 1000 refill	10 × 96/refill	
Finntip 5 mL, 0.5-5 mL, 14.7 cm, Green (Rack Colour)			
9402050	Finntip 5 mL	75/box	F1 (4641110) F2 (4642100) Novus (46200700)
9402030	Finntip 5 mL	500/bag	
9402010	Finntip 5 mL	3000/bulk	
9402070	Finntip 5 mL	5 × 54/rack	
9402073	Finntip 5 mL sterile	5 × 54/rack	
Finntip 10 mL, 1-10 mL, 15.0 cm, Red (Rack Colour)			
9402150	Finntip 10 mL	40/box	F1 (4641120) F2 (4642110) Novus (46200800)
9402151	Finntip 10 mL	100/bag	
9402160	Finntip 10 mL	5 × 24/rack	
9402163	Finntip 10 mL sterile	5 × 24/rack	

Thermo Scientific™ Finntip™ Extended Length Pipette Tips



Finntip Extended Length Pipette Tips are designed for use with extremely narrow or deep vessels.

Extended length tips allow you to access the bottom of test tubes, reagent bottles, flasks and other vessels without touching the barrel of your pipetter against the side of the tube.

The longer tip length of these tips allows you to reach the bottom of long or narrow vessels that standard tips cannot reach. The selection also includes an extended 10 mL tip, which is among the longest reaching tips available. The tip is very narrow and has been designed to reach to the bottom of common 1 L laboratory bottles and most volumetric flasks.

Details

- Prevents cross-contamination from vessel walls
- Allows reach to the bottom of particularly long or narrow vessels that standard tips cannot reach
- Versatile packaging options, with sterile and filtered versions available
- Chemical-resistant tips made of high-quality polypropylene
- Available in three volume ranges: **1-200 µL**, **100-1000 µL** and **1-10 mL**

Pipetter Compatibility: Finntip pipette tips are optimized for use with Finn timer pipettes. The universal design enables compatibility also with pipettes from other manufacturers.

Certifications: Manufactured according to ISO 9001, ISO 14001 and ISO 13485 (CE/IVD certified).

Cat. No.	Description	Packaging Type	Compatible Finn timer Pipettes
Finntip 200 Ext, 5-200 µL, 7.8 cm, Orange			
9400100	Finntip 200 Ext	400/box	F1 (4641040, 4641060, 4641140, 4641070, 4641080, 4661010, 4661020, 4661050, 4661060),
9400130	Finntip 200 Ext	10 × 96/rack	F2 (4642040, 4642060, 4642130, 4642070, 4642080, 4662010, 4662050, 4662020, 4662060),
9400133	Finntip 200 Ext sterile	10 × 96/rack	Novus (46200100, 46200300, 46200400, 46300200, 46300300)
Finntip 1000 Ext, 100-1000 µL, 10.5 cm, Blue			
9401410	Finntip 1000 Ext	1000/bag	F1 (4641100),
9401420	Finntip 1000 Ext	5 × 96/rack	F2 (4642090),
9401423	Finntip 1000 Ext sterile	5 × 96/rack	Novus (46200600)
Finntip 10 mL Ext, 1-10 mL, 26.7 cm			
94060970	Finntip Flex 10 mL Ext	100/bag	F1 (4641120), F2 (4642110), Novus (46200800)

Thermo Scientific™ Finntip™ Wide Orifice Pipette Tips

Finntip Wide Orifice Pipette Tips are ideal for pipetting fragile cell suspensions and macromolecules including genomic DNA.

The wide orifice tips eliminate mechanical shearing that causes cell fragmentation. Depending on the model, the inside diameter of the orifice is 1.1 mm or 1.8 mm.

Details

- Designed for pipetting macromolecule
- Eliminates cell fragmentation caused by mechanical shearing
- Two different models covering a volume range of 10-1000 µL
- Wide orifice tips with orifice inside diameters of **1.1 mm or 1.8 mm**

Pipetter Compatibility: Finntip pipette tips are optimized for use with Finnpiptette pipettors. The universal design enables compatibility also with pipettors from other manufacturers.

Certifications: Manufactured according to ISO 9001, ISO 14001 and ISO 13485 (CE/IVD certified).



Cat. No.	Description	Packaging Type	Compatible Finnpiptettes
Finntip 250 Wide, 10-250 µL, 5.3 cm, White			
9405020	Finntip 250 Wide	1000/bag	F1 (4641040, 4641060, 4641140, 4641070, 4641080, 4661010, 4661020, 4661050,4661060), F2 (4642040, 4642060, 4642130, 4642070, 4642080, 4662010, 4662050, 4662020, 4662060), Novus (46200100, 46200300, 46200400, 46300200, 46300300)
9405120	Finntip 250 Wide	10 × 96/rack	
9405123	Finntip 250 Wide sterile	10 × 96/rack	
Finntip 1000 Wide, 100-1000 µL, 7.2 cm, White			
9405050	Finntip 1000 Wide	400/bag	F1 (4641100), F2 (4642090), Novus (46200600)
9405160	Finntip 1000 Wide	10 × 96/rack	
9405163	Finntip 1000 Wide sterile	10 × 96/rack	

Thermo Scientific™ Finntip™ BioCon Pipette Tips



Finntip BioCon Pipette Tips are designed for applications that demand the utmost in biological purity.

Designed for applications that demand the highest levels of biological purity, the individually packed **Finntip BioCon** tips are **guaranteed free** of any biological contamination, including **DNA, DNase, RNase and endotoxin**. They are sterilized with irradiation, making them safe for medical uses (non-invasive), pharmaceutical and food industries, and PCR applications, as well as molecular biology and cell technology. A certificate of quality is provided in each box.

Details

- For applications that demand the highest biological purity
- **Individually packed for maximum protection**
- Available in three volume ranges: 0.2-10 μL , 0.5-250 μL and 100-1000 μL
- Certified free from DNA, DNase, RNase and endotoxin
- Certificate of quality is provided in each box

Pipetter Compatibility: Finntip pipette tips are optimized for use with Finnpiptette pipettors. The universal design enables compatibility also with pipettors from other manufacturers.

Certifications: Manufactured according to ISO 9001, ISO 14001 and ISO 13485 (CE/IVD certified).

Cat. No.	Description	Volume	Packaging Type
94053100	Finntip BioCon 10	0.2 to 10 μL	100/box
94053200	Finntip BioCon 250	0.5 to 250 μL	100/box
94053300	Finntip BioCon 1000	100 to 1000 μL	50/box



Thermo Scientific™ Finntip™ Filter Pipette Tips

Finntip Filter Pipette Tips are designed to protect your samples from contamination.

Finntip Filter Pipette Tips provide superior protection against contamination. These sterile tips are produced in a controlled environment, sterilized with irradiation and are certified free from DNA, DNase, RNase and endotoxin. Our filter tips are ideal for a wide range of applications, especially sensitive procedures including PCR based reactions.

Finntip Filter Pipette Tips are available in racks with an assortment of volumes from 0.2 µL to 10 µL. Made from an **inert non-sealing polyethylene matrix**, the filter is effective at eliminating contamination from the pipetter to the sample, thereby ensuring the integrity of any pipetting function.



Details

- Wide volume range from 0.2 µL to 10 µL
- Filters composed of inert non-sealing polyethylene matrix effectively eliminate carryover contamination from the pipetter to the sample
- Ideal for use in sensitive applications, including PCR
- 10 µL to 1000 µL product versions, certified free from DNA, DNase, RNase and endotoxin
- Supplied as vacuum-sealed sterilized tip racks

Pipetter Compatibility: Finntip pipette tips are optimized for use with Finn timer pipettes. The universal design enables compatibility also with pipettes from other manufacturers.

Certifications: Manufactured according to ISO 9001, ISO 14001 and ISO 13485 (CE/IVD-certified)

Cat. No.	Description	Volume	Length	Packaging Type
94052000	Finntip Filter Micro 10 µL, sterile	0.2-10 µL	3.2 cm	10 × 96/rack
94052020	Finntip Filter Micro 20 µL, sterile	0.2-20 µL	3.3 cm	10 × 384/rack
94052060	Finntip Filter Micro 50 µL, sterile	0.2-50 µL	4.8 cm	10 × 384/rack
94052100	Finntip Filter 10 µL, sterile	0.5-10 µL	5.2 cm	10 × 96/rack
94052150	Finntip Filter 20 µL, sterile	0.5-20 µL	5.2 cm	10 × 96/rack
94052200	Finntip Filter 100 µL, sterile	0.5-100 µL	5.2 cm	10 × 96/rack
94052310	Finntip Filter 100 µL Ext, sterile	5-100 µL	7.8 cm	10 × 96/rack
94052300	Finntip Filter 200 µL, sterile	0.5-200 µL	5.2 cm	10 × 96/rack
94052320	Finntip Filter 200 µL Ext, sterile	5-200 µL	7.8 cm	10 × 96/rack
94052350	Finntip Filter 300 µL, sterile	5-300 µL	5.2 cm	10 × 96/rack
94052410	Finntip Filter 1000 µL, sterile	100-1000 µL	7.1 cm	10 × 96/rack
94052430	Finntip Filter 1000 µL Ext, sterile	100-1000 µL	10.5 cm	5 × 96/rack
94052550	Finntip Filter 5 mL, sterile	0.5-5 mL	14.7 cm	5 × 54/rack
94052600	Finntip Filter 10 mL, sterile	1-10 mL	15.0 cm	5 × 24/rack

Thermo Scientific™ Finntip™ Flex Pipette Tips



Finntip Flex Pipette Tips offer a consistent seal for higher accuracy and precision.

Finntip Flex Pipette Tips are flexible, soft and sophisticated high-end tips for discerning users. All elements of this pipetting system have been designed to meet the most demanding requirements for ergonomics and flexibility in today's fast-paced laboratories.

Finntip Flex Pipette Tips are available in easy-to-use 10, 200, 300, 1000, 1200 μ L and 10 mL sizes. The soft tip reduces the amount of force needed to attach and eject tips, significantly reducing the risk of Repetitive Strain Injury (RSI). It also ensures a better seal with the pipetter for greater accuracy and precision.

Details

- Excellent for single and multichannel pipetting
- Available in six volume ranges: 0.2-10 μ L, 1-200 μ L, 5-300 μ L, 5-1000 μ L, 50-1200 μ L and 1-10 mL
- Sterile tips are supplied in vacuum sealed, sterilized, 10x96 rack and they are certified to be free from DNA, DNase, RNase and endotoxin
- Save space with refills

Softer Tip

- The soft tip reduces the amount of force needed to attach and eject tips, **significantly lowering the risk of Repetitive Strain Injury (RSI)**
- Provides a **better seal** with the pipetter for **greater accuracy and precision**

Slip-free Rack

- The see-through cover is easy to open with one hand, leaving the other hand free to perform other tasks
- The sturdy base and **slip-proof feet keep** the rack stationary so you can easily, yet firmly, attach the tip

Pipetter Compatibility: Finntip pipette tips are optimized for use with Finnpiptette pipettors. The universal design enables compatibility also with pipettes from other manufacturers.

Certifications: Manufactured according to ISO 9001, ISO 14001 and ISO 13485 (CE/IVD certified)



Cat. No.	Description	Packaging Type	Compatible Finnpiettes
Finntip Flex 10, 0.1-10 µL, 3.3 cm, Pink			
94060120	Finntip Flex 10	1000/bag	F1 (4641010, 4641020, 4641030, 4661000, 4661040), F2 (4642010, 4642020, 4642030, 4662000, 4662040), Novus (46200000, 46300000, 46300100)
94060100	Finntip Flex 10	10 × 96/rack	
94060103	Finntip Flex 10 sterile	10 × 96/rack	
94060117	Finntip Flex 10 refill kit	20 × 96/refill	
Finntip Flex 200, 1-200 µL, 6.0 cm, Yellow			
94060320	Finntip Flex 200	1000/bag	F1 (4641040, 4641060, 4641140, 4641070, 4641080, 4661010, 4661020, 4661050, 4661060), F2 (4642040, 4642060, 4642130, 4642070, 4642080, 4662010, 4662050, 4662020, 4662060), Novus (46200100, 46200300, 46200400, 46300200, 46300300)
94060310	Finntip Flex 200	10 × 96/rack	
94060313	Finntip Flex 200 sterile	10 × 96/rack	
94060317	Finntip Flex 200 refill	20 × 96/refill	
Finntip Flex 300, 5-300 µL, 6.15 cm, Orange			
94060520	Finntip Flex 300	1000/bag	F1 (4641040, 4641060, 4641140, 4641070, 4641080, 4641090, 4661010, 4661020, 4661050, 4661060, 4661030, 4661070), F2 (4642040, 4642060, 4642130, 4642070, 4642080, 4662010, 4662050, 4662020, 4662060, 4662030, 4662070), Novus (46200100, 46200300, 46200400, 46200500, 46300200, 46300300, 46300400, 46300500)
94060510	Finntip Flex 300	10 × 96/rack	
94060513	Finntip Flex 300 sterile	10 × 96/rack	
94060517	Finntip Flex 300 refill	20 × 96/refill	
Finntip Flex 1000, 50-1000 µL, 8.7 cm, Blue			
94060720	Finntip Flex 1000	1000/bag	F1 (4641100), F2 (4642090), Novus (46200600)
94060710	Finntip Flex 1000	10 × 96/rack	
94060713	Finntip Flex 1000 sterile	10 × 96/rack	
94060717	Finntip Flex 1000 refill	16 × 96/refill	
Finntip Flex 1200, 50-1200 µL, 8.7 cm, Turquoise			
94060820	Finntip Flex 1200	1000/bag	F1 (4641100), F2 (4642090), Novus (46200600, 46300800)
94060810	Finntip Flex 1200	10 × 96/rack	
94060813	Finntip Flex 1200 sterile	10 × 96/rack	
94060817	Finntip Flex 1200 refill	16 × 96/refill	
Finntip Flex 10 mL Ext, 1-10 mL, 26.7 cm			
94060970	Finntip Flex 10 mL Ext	100/bag	F1 (4641120), F2 (4642110), Novus (46200800)



Thermo Scientific™ Finntip™ Flex Filter Pipette Tips



Finntip Flex Filter Pipette Tips provide effective protection against contamination.

The Finntip Flex Filter Pipette Tips combine the ergonomics of a standard Finntip Flex pipette tip and the protection provided by a filtered tip. With the soft Flex tips, the amount of force needed to attach and eject tips is significantly reduced for enhanced pipetting ergonomics.

Finntip Flex Filter Pipette Tips effectively **minimize the risk of passing contamination from the pipetter to the sample**. Including a range of products certified free from DNA, DNase, RNase and endotoxin, these sterile tips suit all sensitive procedures, including PCR-based reactions where contamination is a concern. The filters are composed of an inert non-sealing polyethylene matrix and are effective at eliminating carryover contamination.

Details

- The soft tip reduces the amount of force needed to attach and eject tips, significantly lowering the risk of **Repetitive Strain Injury (RSI)**
- Filters made of inert **non-sealing polyethylene matrix**, effectively eliminate carryover contamination from the pipetter to the sample
- Ideal for use in sensitive applications, including PCR
- 10 µL to 1200 µL product versions certified-free from DNA, DNase, RNase and endotoxin
- Supplied as vacuum-sealed sterilized tip racks

Pipetter Compatibility: Finntip pipette tips are optimized for use with Finnpipette pipetters. The universal design enables compatibility also with pipetters from other manufacturers.

Certifications: Manufactured according to ISO 9001, ISO 14001 and ISO 13485 (CE/IVD certified)

Cat. No.	Description	Volume	Length	Packaging Type
94056510	Finntip Flex Filter 30 µL, sterile	1-30 µL	6.0 cm	10 × 96/rack
94056520	Finntip Flex Filter 100 µL, sterile	1-100 µL	6.0 cm	10 × 96/rack
94056380	Finntip Flex Filter 200 µL, sterile	1-200 µL	6.0 cm	10 × 96/rack
94056580	Finntip Flex Filter 300 µL, sterile	5-300 µL	6.15 cm	10 × 96/rack
94056710	Finntip Flex Filter 1000 µL, sterile	100-1000 µL	8.7 cm	10 × 96/rack
94056810	Finntip Flex Filter 1200 µL, sterile	50-1200 µL	8.7 cm	10 × 96/rack
94056970	Finntip Flex Filter 10 mL Ext, sterile	1-10 mL	26.7 cm	50/bag

LabServ™ 15, 50 ml Centrifuge tubes

- Produced from Swiss Made Diamond finish mold
- USFDA approved Medical Grade virgin Polypropylene plastic without any trace of metals
- Free from DNase, RNase, Human DNA & Pyrogen
- Leak proof screw cap
- Clearly printed volume graduation and large writing area

Cat. No.	Description	Case/ Pack Size
LSCT15B	15ml Centrifuge Tubes Bulk	(1 Pack = 500 Tubes)
LSCT15BS	15ml Centrifuge Tubes Bulk Sterile	(1 Pack = 500 Tubes)
LSCT50B	50ml Centrifuge Tubes Bulk	(1 Pack = 500 Tubes)
LSCT50BS	50ml Centrifuge Tubes Bulk Sterile	(1 Pack = 500 Tubes)



LabServ™ Tips

Details

- Produced from Swiss Made Diamond finish mold for flawless “SUPER SMOOTH” internal surface
- USFDA approved Medical Grade virgin Polypropylene plastic without any trace of metals
- Free from DNase, RNase, Human DNA, Pyrogen & PCR inhibitor
- Universal Fit Tips
- Graduated Tips with 50µl, 100µl and 200µl marking.



Tamper Proof packaging

- Keeps RNase / DNase & Pyrogen free
- Zip lock – convenient handling after you open
- Self Standing Packs– avoids spilling

Raw Material

- Non cytotoxic
- Highly transparent and clear

Cat. No.	Description	Case/ Pack Size
90030000-C	10ul Universal Grad Micro Tips	1000 Tips/Pack, 20 Packs/Case
90030110-C	200ul Universal Grad Micro Tips	1000 Tips/Pack, 20 Packs/Case
90030130-C	Yellow 200ul Universal Grad Micro Tips	1000 Tips/Pack, 20 Packs/Case
90030210-C	1000ul Universal Grad Micro Tips	500 Tips/Pack, 10 Packs/Case
90030230-C	Blue 1000ul Universal Grad Micro Tips	500 Tips/Pack, 10 Packs/Case
LTER10-P	Empty Racks suitable for 10ul Tips	(1 Pack = 10 Racks)
LTER200-P	Empty Racks suitable for 200ul Tips	(1 Pack = 10 Racks)
LTER1000-P	Empty Racks suitable for 1000ul Tips	(1 Pack = 6 Racks)
LSIW200S	200ul Universal Graduated Tip , Sterile, Individual Wrap	2000 Tips
LSIW1000S	1000ul Universal Graduated Tip , Sterile, Individual Wrap	1000 Tips
LST10SF	10ul Narrow Universal Grad Tip, Sterile, Filter	1 Pack = 10 X 96 Tips/Rack
LST20SF	20ul Narrow Universal Grad Tip, Sterile, Filter	1 Pack = 10 X 96 Tips/Rack
LST50SF	50ul Universal Grad tip, Sterile, Filter	1 Pack = 10 X 96 Tips/Rack
LST100SF	100ul Universal Grad Tip, Sterile, Filter	1 Pack = 10 X 96 Tips/Rack
LST200SF	200ul Long Universal Grad Tip, Sterile, Filter	1 Pack = 10 X 96 Tips/Rack
LST1000SF	1000ul Long Universal Grad Tip, Sterile, Filter	1 Pack = 6 X 96 Tips/Rack
LST10SR	10ul Rack, Sterile Tips	1 Pack = 10 Rack X 96 Tips
LST200SR	200ul Rack, Sterile Tips	1 Pack = 10 Rack X 96 Tips
LST1000SR	1000ul Rack, Sterile Tips	1 Pack = 6 X 96 Tips/Rack
LST10SFLR	10ul Narrow Universal Grad Tip, Sterile, Filter, Low Retention	1 Pack = 10 X 96 Tips/Rack
LST20SFLR	20ul Universal Grad Tip, Sterile, Filter, Low retention	1 Pack = 10 X 96 Tips/Rack
LST50SFLR	50ul Universal Grad Tip, Sterile, Filter LR	1 Pack = 10 X 96 Tips/Rack
LST100SFLR	100ul Universal Grad Tip, Sterile, Filter LR	1 Pack = 10 X 96 Tips/Rack
LST200SFLR	200ul Long Universal Grad Tip, Sterile, Filter, Low Retention	1 Pack = 10 X 96 Tips/Rack
LST1000SFLR	1000ul Long Universal Grad Tip, Sterile, Filter, Low Retention	1 Pack = 6 X 96 Tips/Rack

LabServ™ Microcentrifuge Tubes

Details

- Made up of Unique Polymer.
- Dnase, Rnase, Endotoxin & Pyrogen free
- Manufactured in a fully automatic, Human Touch free plant with class 100K clean room facility
- Free from Heavy trace metals & Additives.
- Can be Centrifuged upto 20000 xg.
- Can withstand temperature from -80°C to +121°C.
- Supplied in double safety self standing bulk packs



Cat. No.	Description	Pack Size
LSMCT005	0.5 ml Micro centrifuge tubes	1000 Tubes/Pack
LSMCT01	1.7 ml MCT Bulk	1000 Tubes/Pack
LSMCT02	2.0 ml Micro centrifuge tubes	500 Tubes/Pack

Thermo Scientific™ QSP Tip

Thermo Scientific QSP pipette tips and tubes are made from 100% virgin polypropylene utilizing state of the art molds and molding methods. These products are precision molded for an airtight fit without using a mold release agent in the manufacturing process..

Details

- Non sterile Pipette Tips, are certified free of RNase/DNase, DNA and Pyrogen contamination and are autoclavable at a recommended temperature of 120°C at 15 P.S.I. for 15 minutes.
- Sterile Pipette Tips
- Autoclavable Racks

Thermo Scientific
QSP®
Quality Scientific Plastics



Bulk
1000 tips x bag
10 bags x cs



Racked
96 tips x tray
10 trays x pk
5 pks x cs



Racked Sterile
96 tips x tray
10 trays x pk
5 pks x cs

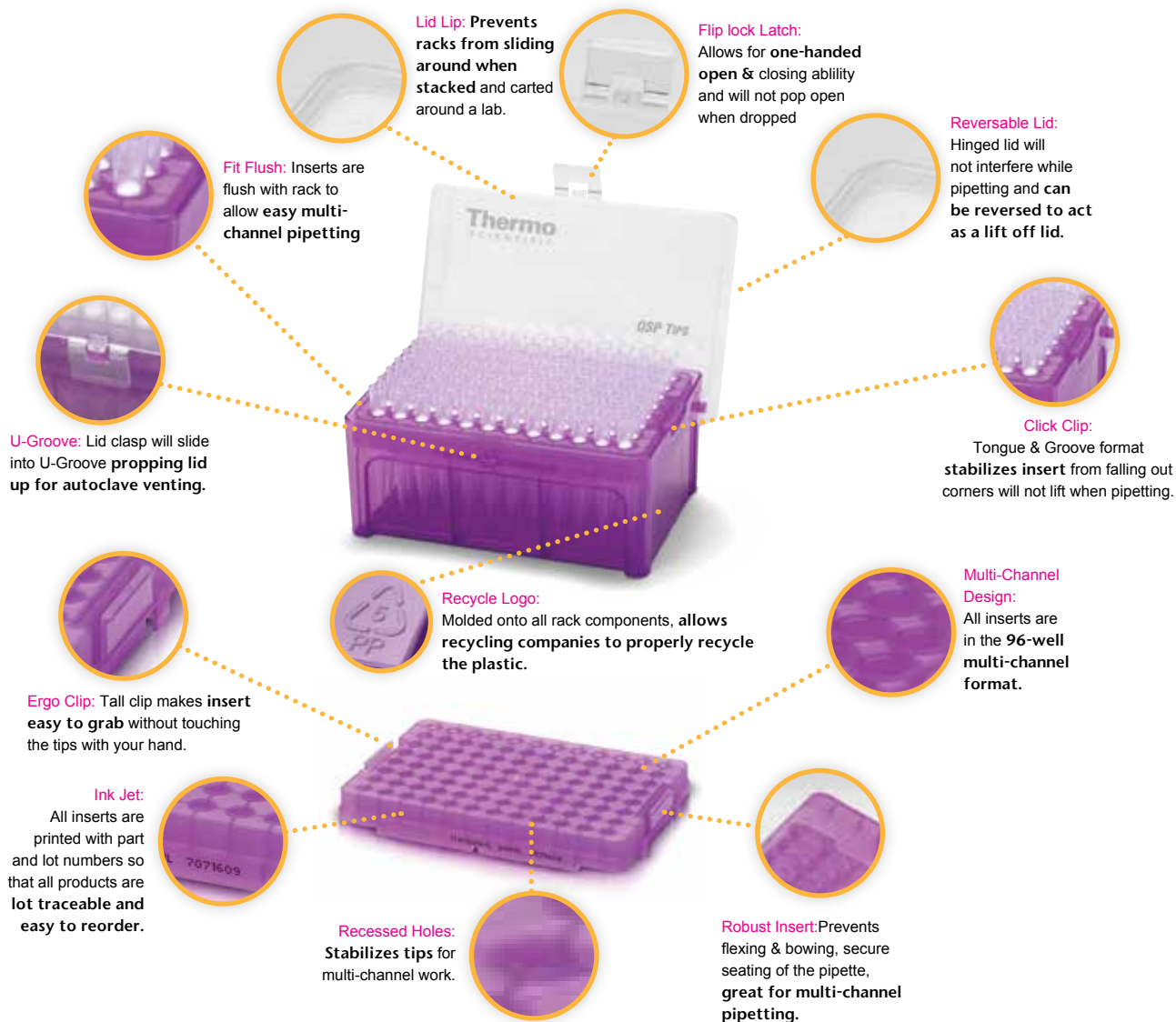


Reload
96 tips x tray
10 trays x pk
5 pks x cs



Empty Rack
Inserts not included
10 empty trays x pk
5 pks x cs





Clean Claims

Products are free of:

Non-Sterile:
RNase/DNase
DNA

E-Beam Sterilized:
RNase/DNase
DNA
Pyrogen
Bioburden
PCR inhibitors
Endotoxin

To order a clean claim lot-specific certification, contact your local dealer with the Cat. No and Lot No.

Reloading Steps



Step 1

While grasping lowest insert, lift sleeve up off rack and transfer entire sleeve to an empty rack. Make sure to align sleeve knockouts with latch and rear lid posts.



Step 2

Push down on the middle of top insert, which will slide bottom insert into empty tray. Plastic sleeve is not intended to rest on any counter top without a rack underneath it.

Thermo Scientific™ QSP Tips, continued

Cat. No.	Description	Volume (μl)	Packaging
104-Q	Bulk	10, Ultra Micro	1000 tips × bag, (Neutral Color)
T104R-Q	Rack	10, Ultra Micro	960 tips × unit, Rack/Neutral, Non Sterile
T104RS-Q	Rack St	10, Ultra Micro	960 tips × unit, Rack/Neutral, Sterile
TF104-10-Q	Filtered	10, Ultra Micro	960 tips × unit, Rack/Neutral, Sterile, Filtered
T104RL-Q	Reload	10, Ultra Micro	960 tips × unit, reload inert/Neutral, Non Sterile
T104RLS-Q	Reload St	10, Ultra Micro	960 tips × unit, reload inert/Neutral, Sterile
114-Q	Bulk	20, Micropoint Crystal Tip, Eppendorf Fit	1000 tips × bag, (Neutral Color)
T114R-Q	Rack	20, Micropoint Crystal Tip, Eppendorf Fit	960 tips × unit, Rack/Neutral, Non Sterile
T114RS-Q	Rack	20, Micropoint Crystal Tip, Eppendorf Fit	960 tips × unit, Rack/Neutral, Sterile
TF113-20-Q	Filtered	20μl, Beveled	960 tips × unit, Rack/Neutral, Sterile, Filtered
TF113-100-Q	Filtered	100μl, Beveled	960 tips × unit, Rack/Neutral, Sterile, Filtered
110-B-Q	Bulk	200, Beveled	1000 tips × bag, (Yellow Color)
110-BN-Q	Bulk	200, Beveled	1000 tips × bag, (Neutral Color)
T110BR-Q	Rack	200, Beveled	960 tips × unit, Rack/Yellow, Non Sterile
T110BRS-Q	Rack St	200, Beveled	960 tips × unit, Rack/Yellow, Sterile
T110BRN-Q	Rack	200, Beveled	960 tips × unit, Rack/Natural, Non Sterile
T110BRL-Q	Reload	200, Beveled	960 tips × unit, reload inert/Yellow, Non Sterile
T110BRLN-Q	Reload	200, Beveled	960 tips × unit, reload inert/Neutral, Non Sterile
T110BRLS-Q	Reload St	200, Beveled	960 tips × unit, reload inert/Yellow, Sterile
T110BRLNS-Q	Reload St	200, Beveled	960 tips × unit, reload inert/Neutral, Sterile
113-G-Q	Bulk	200, Beveled, Graduated	1000 tips × bag, (Yellow Color)
113-GN-Q	Bulk	200, Beveled, Graduated	1000 tips × bag, (Neutral Color)
T113R-Q	Rack	200, Beveled, Graduated	960 tips × unit, Rack/Yellow
T113RN-Q	Rack	200, Beveled, Graduated	960 tips × unit, Rack/Neutral
TF140-200-Q	Filtered	200μl, Beveled	960 tips × unit, Rack/Neutral, Sterile, Filtered
106-Q	Bulk	300μl, Beveled	1000 tips × bag, (Neutral Color)
T106R-Q	Rack	300μl	960 tips × unit, Rack/Neutral, Non Sterile
T106RS-Q	Rack	300μl	960 tips × unit, Rack/Neutral, Sterile
112NXL-Q	Bulk	1250μl	1000 tips × bag, (Neutral Color)
112XL-Q	Bulk	1250μl	1000 tips × bag, (Blue Color)
TF112-1000-Q	Filtered	1000μl, Beveled	960 tips × unit, Rack/Neutral, Sterile, Filtered
Empty Racks			
T10ERINSERT-Q	Empty Racks	10-20μl Empty Rack W/Insert	10 Empty racks in pack
T200ERINSERT-Q	Empty Racks	200-300μl Empty Rack W/Insert	10 Empty racks in pack
T1000ERINSERT-Q	Empty Racks	1250μl Empty Rack With Insert	10 Empty racks in pack

Micro-Centrifuge Tubes

Cat. No.	Packaging	Volume (μl)	Description	Price ₹
502-GRD-Q	MCT	0.6ml MCT Graduated	1000/unit	1,429
508-GRD-Q	MCT	2.0ml MCT Graduated	500/unit	1,008
509-GRD-Q	MCT	1.5ml MCT Graduated	500/unit	904

Thermo Scientific™ QSP LR Tips

Thermo Scientific™ QSP products offer high quality consumables in a complete and innovative portfolio for your evolving liquid transfer and storage needs. Trust our economical solutions for Life Science research. Blending a unique combination of value and performance, QSP consumables are the products you and your research can rely on.

- Large selection of pipette tips for every application requirement.
- Excellent contamination control with small micron filter tips.
- Environmentally friendly packaging options.



Cat. No.	Description	Volume (µl)	Packaging
T112NXLRS-Q	1250 XL, Graduated,sterile	1250ul	96tips/rk,10rk/pk
T112XLRS-Q	1250, Blue	1250ul	96tips/rk,10rk/pk
TLR102R-Q	Rack 10ul	10ul	96tips/rk,10rk/pk
TLR106R-Q	Rack 300ul	300ul	96tips/rk,10rk/pk
TLR112NXLR-Q	Rack 1000ul	1000ul	96tips/rk,10rk/pk
TLR070R-Q	Rack 200ul	200ul	96tips/rk,10rk/pk
TLR112NXL-Q	Bulk 1000ul	1000ul	1000tips/bg
TLR102-Q	Bulk 10ul	10ul	1000tips/bg
TLR070-Q	Bulk 200ul	200ul	1000tips/bg
TLR106RS-Q	Rk St 300ul	300ul	96tips/rk,10rk/pk
T112NXLRLS-Q	1250, Extended Length, Reload	1250ul	96tips/rk,10rk/pk
T112XLR-Q	1250, Blue	1250ul	96tips/rk,10rk/pk
TLR106-Q	Bulk 300ul	300ul	1000tips/bg
T112NXLR-Q	1250 XL, Graduated, Non sterile	1250ul	96tips/rk,10rk/pk
T112XLRLS-Q	1250, Extended Length	1250ul	96tips/rk,10rk/pk
TLR070RL-Q	RL 200ul	200ul	96tips/rk,10rk/pk
T112XLRL-Q	1250, Extended Length	1250ul	96tips/rk,10rk/pk
TLR070RS-Q	Rk St 200ul	200ul	96tips/rk,10rk/pk
TLR102RL-Q	RL 10ul	10ul	96tips/rk,10rk/pk

Thermo Scientific™ QSP LR Tips, continued

Cat. No.	Description	Volume (µl)	Packaging
TLR102RLS-Q	RLS 10ul	10ul	96tips/rk,10rk/pk
TLR106RL-Q	RL 300ul	300ul	96tips/rk,10rk/pk
TLR106RLS-Q	RLS 300ul	300ul	96tips/rk,10rk/pk
TLR102RS-Q	Rk St 10ul	10ul	96tips/rk,10rk/pk
TLR112NXLRs-Q	Rk St 1000ul	1000ul	96tips/rk,10rk/pk
TLR112NXLRl-Q	RL 1000ul	1000ul	96tips/rk,10rk/pk
TLR112NXRLS-Q	RLS 1000ul	1000ul	96tips/rk,10rk/pk
T112NXLRl-Q	1250, Extended Length	1250ul	96tips/rk,10rk/pk
TLR070RLS-Q	RLS 200ul	200ul	96tips/rk,10rk/pk
TFLR102-10-Q	Filter 10ul	10ul	96tips/rk,10rk/pk
TFLR1121000-Q	Filter 1000ul	1000ul	96tips/rk,10rk/pk
TFLR113-100-Q	Filter 100ul	100ul	96tips/rk,10rk/pk
TFLR113-20-Q	Filter 20ul	20ul	96tips/rk,10rk/pk
TFLR140-200-Q	Filter 200ul	200ul	96tips/rk,10rk/pk
TFLR140-300-Q	Filter 300ul	300ul	96tips/rk,10rk/pk

Clean Claims

Products are free of:

Non-Sterile:
RNase/DNase
DNA

E-Beam Sterilized:
RNase/DNase
DNA
Pyrogen
Bioburden
PCR inhibitors
Endotoxin

To order a clean claim lot-specific certification, contact your local dealer with the Cat. No and Lot No.

Reloading Steps



Step 1

While grasping lowest insert, lift sleeve up off rack and transfer entire sleeve to an empty rack. Make sure to align sleeve knockouts with latch and rear lid posts.

Step 2

Push down on the middle of top insert, which will slide bottom insert into empty tray. Plastic sleeve is not intended to rest on any counter top without a rack underneath it.

384-Well Pipetting

Key Words

- **Microwell plate (Microplate)** is a standard tool in research laboratories that typically has 6, 24, 96, or 384 sample wells. Each well holds nanoliters to milliliters of liquid.
- **384-well microplates** quadruple well density with a well-to-well spacing of 4.5 mm and a volume of 120 μL .
- **Pipetting system** is a pipette and pipette tip that are designed in tandem to ensure that a perfect balance exists between security of the seal and ease of application/ejection.
- **Finnpipette 16-channel adjustable-volume pipette** is a manual multichannel pipette with a maximum volume of 50 μL . It works as a pipetting system with Thermo Scientific Finn timer micro 384 pipette tips.
- **E1-Clip Tip Electronic Pipettes** gives an instant boost in productivity because of equal tip spacing that expands or contracts with the simple adjustment of a slide rod, allowing the pipette to perform sample transfers between virtually any tube rack, microplate or horizontal gel box. The pipette enables plate-to-plate transfers between 96- and 384-well microplates, as well as loading gels 8 or 12 channels at a time directly from a microplate or tube rack.
- **ELISA** is *Enzyme-linked Immunosorbent Assay*. In ELISA, a pipette is used to move a liquid sample onto a solid phase with special binding properties. Multiple liquid reagents are sequentially added, incubated and washed, producing a color change.
- **Efficiency** in general describes the extent to which time or effort is optimally used for an intended task or purpose.
- **Ergonomics** is the science of fitting the job to the worker.

Microwell plates

Microwell plates are flat plates that have multiple “wells” that are used as small test tubes. First developed in 1951 as a fast, economic and reliable test method for the identification of the influenza virus, the microplate format replaced test methods involving high volume test tubes. The microplate has become a standard tool in analytical research and clinical diagnostic testing laboratories. A microplate typically has 6, 24, 96, 384 or even 1536 sample wells arranged in a 2:3 rectangular matrix.

High-throughput screening for miniaturized assays started in 1994 with the launch of 384-well microplates. Compared to 96-well plates, the 384-well microplate quadruples the well density with a well-to-well spacing of 4.5 mm and a total well volume of 120 μL . 384-well plates are in a 16 x 24 format. The convergence of microplates and pipettes really took effect with the development of ELISA technology. A very common partnering with microplates and pipettes is in the Enzyme-linked Immunosorbent Assay, ELISA, which is the basis of most modern medical diagnostic testing in humans and animals.

Multichannel pipettes – Manual and electronic

For manual high-throughput applications, such as filling up a 384-well microwell plate, most researchers prefer a multichannel pipette. Instead of dispensing well by well, a row of 16 wells can be processed in parallel. What could once only be accomplished through repetitive motions with a single-channel pipette can be performed quickly and easily, standardizing laboratory results.





Thermo Scientific Finn timer – First 16-channel pipette

Finn timer® manual 16-channel pipettes were the first to be introduced to researchers. High-precision Finn timer F1 and F2 16-channel pipettes are designed to dispense volumes of 1 µl to 50 µl. Finn timer manual 16-channel pipettes are designed as a pipetting system with Finn timer® micro tips in a 384-rack format.

Operator fatigue is often overlooked in the search for maximum accuracy and repeatability. Repetitive motions cause stress in hand joints and muscles. Even a well-trained and experienced operator will experience a decrease in accuracy and repeatability as pipetting time increases. Multichannel pipettes allow users to complete their research quickly and as efficiently as possible.

Long-term pipette operation can lead to repetitive strain injuries (RSI), such as carpal tunnel syndrome. These disorders may cause significant reductions in accuracy and repeatability by impairing the proper pipetting techniques that are crucial to achieving optimal accuracy. Preventive measures include choosing the most ergonomic pipette available for the job at hand.

To improve the ergonomics of pipettes by reducing the necessary force, electronic pipettes were developed. The manual movement of the piston is replaced by a small electric motor powered by a battery. Whereas manual pipettes need a movement of the thumb, electronic pipettes have a trigger and are programmable. Electronic pipettes can decrease the risk of RSI-type injuries.



E1-Clip Tip Electronic Pipettes

- Ergonomic design reduces risk of repetitive stress injuries (RSI).
- Step-based programming makes it logical, intuitive and easy to create programs.
- On-board memory saves programs (up to 40 steps each) allowing you to spend more time pipetting and less time programming.
- Large volume capacity – 1250 µl per tip capacity allows you to fill an entire microplate with up to 100 µl per well from a single aspiration.
- Matrix adjustable tip spacing allows you to transfer multiple samples between any tube rack, microplate and/or horizontal gel box increasing efficiency.
- Matrix Equalizer 384 with minimum spacing 4.5 mm for transfer to/from 384-well microplates and 384-well PCR plates.
- Sold as a pipetting system with E1-Clip tip pipette tips.
- Six volume ranges and three spacing ranges available allows for the flexibility to pipette between many types of labware.

Leading the way in liquid handling pipetting

For 40 years, Thermo Scientific has led the way in liquid handling pipetting products. Reliable accuracy and precision, increased efficiency, uncompromised safety, advanced ergonomics – all are the hallmarks of innovative product design.

Thermo Scientific™ Matrix™ Pipette Tips

Matrix Pipette Tips offer a comprehensive selection of tips supplied in innovative Flo-Thru racks.

Matrix pipettors and pipette tips have been designed together to ensure that a perfect balance exists between the security of the seal and ease of application/ejection. Manufactured under tight QC specifications, these standard tips rival special low-retention tips and are capable of pipetting fluids, such as **dH₂O, 50% glycerol, hybridized buffer and 0.1% SDS.**

Details

- Sealing rings on tips ensure confident, leak-free seal without banging tips on the pipetter
- These tips also offer a secure seal on most other pipettors brands available, due to the compression qualities of the sealing rings
- Highly polished molds and rigorous maintenance procedures enable low liquid retention tips without special treatments or additives

Innovative Racks and Packaging

- Rigid rack design ensures solid, even tip seating; rack will not flex or bend when applying tips
- Unique Flo-Thru rack individually supports tips to prevent them from wobbling when trying to seat them on the pipetter
- Hinge prevents sterile lid from coming into contact with the lab bench
- Venting along the edge or around each tip improves heat flow during autoclaving, and reduces condensation that can form on the tips
- Dual-position lid can be propped open to prevent vacuum deformation during autoclaving
- Racks are constructed of clean recycled materials and are made as small as possible to reduce waste
- Available in various packaging formats, including the environmentally friendly ECOTIPS refill systems



Pipetter compatability: Fits Thermo Scientific Matrix Electronic Pipettors

Cat. No.	Description	Packaging Type
1250 µL Matrix TallTip, 15-250 µL, 10.2 cm		
8250	1250 µL TallTip	500/bag

Thermo Scientific™ ART™ Non filter Pipette Tips

Thermo Scientific* Tips with MicroPoint* design offer a tip profile that is significantly smaller and narrower than standard tips.

It provide precise delivery, especially when working with low-volume samples. This is the result of a tip profile that is nearly 50 percent smaller than standard blunt-end tips and significantly more narrow than beveled- end tips.

Details

- Same superior quality as ART* tips, except **without the barrier**
- Crystal clear tips allow you to easily see transparent samples
- Reference marks** on many Thermo Scientific Tips provide a quick and convenient guide to visually establish whether you are pipetting the desired volume of liquid
- All Pure tips are racked, pre-sterilized and **certified free of RNase, DNase, DNA and pyrogen**; other Thermo Scientific racked and bulk tips are nonsterile and autoclavable. Pure 10 tips are ideal for low volume samples
- Ultra Micro and Pure Ultra Micro are also well suited for low volume samples
- 200 and Pure 200** are equivalent to the “**Universal Yellow**” tip and have a reference mark at 10 µL

Pipetter Compatibility: Universal fit for research-grade pipettors



Notes: ART Non filter tips are available in yellow and blue colors, graduated, beveled tips and large volumes.

Cat. No.	Description	Volume	Packaging
10 Micro Litre			
3500	10	0.1-10 µL	Bulk, non-sterile, 1000 tips/bag
3501-HR	Pure 10, Hinged Rack, Sterile	0.1-10 µL	96 tips/tray, 10 trays/pack
3501-RT	Pure 10, Reload Sterile	0.1-10 µL	96 tips/tray, 10 trays/pack
3501-05-HR	Pure 10, Hinged Rack Sterile, Low Retention	0.1-10 µL	96 tips/tray, 10 trays/pack
3501-05-RT	Pure 10, Reload Tower, Sterile, Low Retention	0.1-10 µL	96 tips/tray, 10 trays/pack
3502-HR	10, Rack Hinged, Non Sterile	0.1-10 µL	96 tips/tray, 10 trays/pack
3502-RT	10, Reload Tower, Non Sterile	0.1-10 µL	96 tips/tray, 10 trays/pack
3502-05-HR	10, Rack Hinged, Non Sterile, Low Retention	0.1-10 µL	96 tips/tray, 10 trays/pack
3502-05-RT	Pure 10, Reload Tower, Non Sterile, Low Retention	0.1-10 µL	96 tips/tray, 10 trays/pack
20 Micro Litre			
3520	Ultra Micro, Bulk	0.5-20 µL	1000 Tips/bag
3521-HR	Ultra Micro, Hinged Rack, Sterile	0.5-20 µL	96 tips/tray, 10 trays/pack
3521-05-HR	Ultra Micro, Hinged Rack, Sterile, Low Retention	0.5-20 µL	96 tips/tray, 10 trays/pack
3521-RT	Ultra Micro, Reload Tower, Sterile	0.5-20 µL	96 tips/tray, 10 trays/pack
3521-05-RT	Ultra Micro, Reload Tower, Sterile, Low Retention	0.5-20 µL	96 tips/tray, 10 trays/pack
3522-HR	Ultra Micro, Hinged Rack, Non Sterile	0.5-20 µL	96 tips/tray, 10 trays/pack
3522-05-HR	Ultra Micro, Hinged Rack, Non Sterile, Low Retention	0.5-20 µL	96 tips/tray, 10 trays/pack
3522-RT	Ultra Micro, Reload Tower, Non Sterile	0.5-20 µL	96 tips/tray, 10 trays/pack
3522-05-RT	Ultra Micro, Reload Tower, Non Sterile, Low Retention	0.5-20 µL	96 tips/tray, 10 trays/pack
200 Micro Litre			
3550	200, Bulk	0.5-200 µL	1000 Tips/Bag
3551-HR	Pure 250, Hinged Racked, Sterile	0.5-200 µL	96 tips/tray, 10 trays/pack
3551-05-HR	Pure 250, Hinged Rack, Sterile, Low Retention	0.5-250 µL	96 tips/tray, 10 trays/pack
3551-RT	Pure 250, Reload Tower, Sterile	0.5-250 µL	96 tips/tray, 10 trays/pack
3551-05-RT	Pure 250, Reload Tower, Sterile, Low Retention	0.5-250 µL	96 tips/tray, 10 trays/pack
3552-HR	Pure 250, Hinged Racked, Non Sterile	0.5-200 µL	96 tips/tray, 10 trays/pack
3552-05-HR	Pure 250, Hinged Rack, Non Sterile, Low Retention	0.5-250 µL	96 tips/tray, 10 trays/pack
3552-RT	Pure 250, Reload Tower, Non Sterile	0.5-250 µL	96 tips/tray, 10 trays/pack
3552-05-RT	Pure 250, Reload Tower, Non Sterile, Low Retention	0.5-250 µL	96 tips/tray, 10 trays/pack

Cat. No.	Description	Volume	Packaging
300 Micro Litre			
3570	300	1-300 µL	Bulk
3771-HR	Pure 300U, Hinged Rack, Sterile	1.0-300 µL	96 tips/tray, 10 trays/pack
3771-RT	Pure 300U, Reload Tower, Sterile	1.0-300 µL	96 tips/tray, 10 trays/pack
3771-05-HR	Pure 300U, Hinged Rack, Sterile, Low Retention	1.0-300 µL	96 tips/tray, 10 trays/pack
3771-05-RT	Pure 300U, Reload Tower, Sterile, Low Retention	1.0-300 µL	96 tips/tray, 10 trays/pack
3772-HR	Pure 300U, Hinged Rack, Non Sterile	1.0-300 µL	96 tips/tray, 10 trays/pack
3772-RT	Pure 300U, Reload Tower, Non Sterile	1.0-300 µL	96 tips/tray, 10 trays/pack
3772-05-HR	Pure 300U, Hinged Rack, Non Sterile, Low Retention	1.0-300 µL	96 tips/tray, 10 trays/pack
3772-05-RT	Pure 300U, Reload Tower, Non Sterile, Low Retention	1.0-300 µL	96 tips/tray, 10 trays/pack
1000 Micro Litre			
3101-HR	1000 µL, Hinged Rack, Sterile	100-1000 µL	96 tips/tray, 8 trays/pack
3101-RT	1000 µL, Reload Tower, Sterile	100-1000 µL	56 tips/tray, 10 trays/pack
3101-05-HR	1000 µL, Hinged Rack, Sterile, Low Retention	100-1000 µL	96 tips/tray, 8 trays/pack
3101-05-RT	1000 µL, Reload Tower, Sterile, Low Retention	100-1000 µL	56 tips/tray, 10 trays/pack
3102-HR	1000 µL, Hinged Rack, Non Sterile	100-1000 µL	96 tips/tray, 8 trays/pack
3102-RT	1000 µL, Reload Tower, Non Sterile	100-1000 µL	56 tips/tray, 10 trays/pack
3102-05-HR	1000 µL, Hinged Rack, Non Sterile, Low Retention	100-1000 µL	96 tips/tray, 8 trays/pack
3102-05-RT	1000 µL, Reload Tower, Non Sterile, Low Retention	100-1000 µL	56 tips/tray, 10 trays/pack

Packaging: Rack 96 x 10



Thermo Scientific™ ART™ Barrier Tips with MicroPoint Design

Thermo Scientific Art Tips are pre-sterilized and precision-molded. with the Art self-sealing barrier.

Ideal for use in genetic studies, forensics, PCR and radioisotope sampling, ART barrier tips with MicroPoint design are pre-sterilized and precision-molded. The ART **self-sealing barrier** prevents carryover contamination during aspiration and delivery of samples.

Details

- Pre-sterilized and precision-molded tips with the ART self-sealing barrier
- Certified RNase-, DNase-, and pyrogen-free
- Self-sealing barrier prevents carryover contamination during aspiration and delivery of samples
- MicroPoint design minimizes surface area around the tip orifice for reduced surface tension and greater accuracy
- Ideal for use in genetic studies, forensics, PCR and radioisotope sampling
- Available in numerous sizes and styles to meet all of your liquid handling needs

Tip Types:

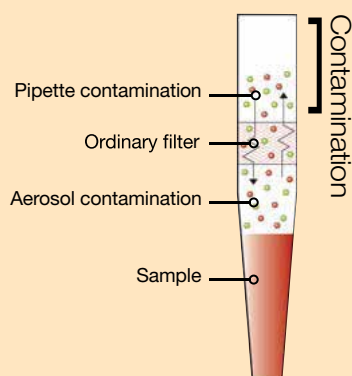
- The ART 10 and 10F have a 2 μ L reference mark and are perfect for pipetting low volumes
- The extended tip length of the ART 10 REACH* prevents contamination of samples, tubes, and pipetters
- The **ART 20E** is an ultra-micro tip design for **Eppendorf*** and **Nichiryo/BenchMate*** pipetters
- The ART 20P has a 10 μ L reference mark and is well suited for low volumes

Pipetter compatability: Universal fit for research-grade pipetters.

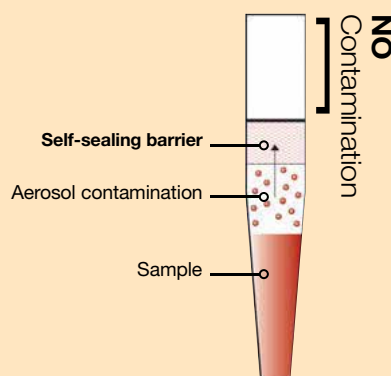
Note: Standard ART tips are also available in individually-wrapped packaging.



Pipette Tip with Generic Filter



Pipette Tip with ART Barrier



Standard Pipette Tips



Unnecessary sample loss

ART Pipette Tip with Low Retention Technology



Minimal sample loss = better data



Cat. No.	Description	Volume	Packaging
2139	10	10 µL	Racked, Sterile, 5 x 960/Rack
2139-HR	10	10 µL	Hinge Racked, sterile, 10 x 96/Rack
2139-RT	10	10 µL	Reload Tower, sterile, 10 x 96/Rack
2139F	10F	10 µL	Racked, Sterile, 10 x 96/Rack
2139F-05	10F, MicroPoint	0.5-10 µL	Racked, Sterile, Low retention, 10 x 96/Rack
2139-05	10	0.1-10 µL	Racked, Sterile, Low retention, 10 x 96/Rack
2139-05-HR	10	10 µL	Hinge Racked, sterile, Low retention, 10x96/Rack
2139-05-RT	10	10 µL	Reload Tower, sterile, low retention, 10x96/Rack
2149	20	20 µL	Racked, Sterile, 5 x 960/Rack
2149E	20E	10 µL	Racked, Sterile, 10 x 96/Rack
2149E-HR	20E	10 µL	Hinge Racked, sterile, 10 x 96/Rack
2149E-RI	20E	10 µL	Reload Insert, sterile, 10 x 96/Rack
2149P	20P	20 µL	Racked, Sterile, 10 x 96/Rack
2149P-HR	20P	20 µL	Hinge Racked, sterile, 10 x 96/Rack
2149P-RT	20P	20 µL	Reload Tower, sterile, 10 x 96/Rack
2149PIW	20P	20 µL	Individual wrapped, Pre-Sterilized, 500/Bag
2149P-05	20P, MicroPoint	0.5-20 µL	Racked, low retention, sterile, 10 x 96/rack
2149P-05-HR	20P, MicroPoint	0.5-20 µL	Hinge Racked, low retention, sterile, 10x96/Rack
2149P-05-RT	20P, MicroPoint	0.5-20 µL	Reload Tower, low retention, sterile, 10x96/Rack
2149E-05-HR	20E, Ultra Micro	0.5-10 µL	Racked, low retention, sterile, 10 x 96/rack
2149E-05-RI	20E, Ultra Micro	0.5-10 µL	Reload Insert, low retention, sterile, 10x96/rack
2780	50	50 µL	Racked, Sterile, 10 x 96/Rack
2065	100	0.5-100 µL	Racked, Sterile, 5 x 960/Rack
2065-HR	100	0.5-100 µL	Hinge Racked, Sterile, 10 x 96/Rack
2065-RI	100	0.5-100 µL	Reload Tower, sterile, 10 x 96/Rack
2065E	100E	1-100 µL	Racked, Sterile, 10 x 96/Rack
2065E-HR	100E	1-100 µL	Hinge Racked, Sterile, 10 x 96/Rack
2065E-RI	100E	1-100 µL	Reload Insert, sterile, 10 x 96/Rack
2065E-05	100E, MicroPoint	0.1-100 µL	Low retention, Racked, Sterile, 10 x 96/Rack
2065E-05-HR	100E MicroPoint	1-100 µL	Hinge racked, low retention, sterile, 10x96/Rack
2065E-05-RI	100E MicroPoint	1-100 µL	Reload Insert, sterile, 10 x 96/Rack
2069	200	1-200 µL	Racked, Sterile, 5 x 960/Rack
2069-HR	200	1-200 µL	Hinge Racked, Sterile, 10 x 96/Rack
2069-RT	200	1-200 µL	Reload Tower, Sterile, 10 x 96/Rack
2069IW	200	1-200 µL	Individual wrapped, Pre-Sterilized, 500/Bag
2069-05	200, MicroPoint	1.0-200 µL	Racked, Low retention, Sterile, 10 x 96/Rack
2069-05-HR	200, MicroPoint	200 µL	Hinge racked, low retention, sterile, 10x96/Rack
2069-05-RT	200, MicroPoint	200 µL	Reload Tower, Low retention, sterile, 10x96/Rack
2770	200 Universal	200 µL	Racked, Sterile, 10 x 96/Rack
2070	300	1-300 µL	Racked, Sterile, 10 x 96/Rack
2070-HR	300	1-300 µL	Hinge Racked, Sterile, 10 x 96/Rack
2070-RT	300	1-300 µL	Reload Tower, sterile, 10 x 96/Rack
2070-05-HR	300	1-300 µL	Hinge Racked, Low retention, Sterile, 10x96/Rack
2070-05-RT	300	1-300 µL	Reload Tower, Low retention, Sterile, 10x96/Rack
2279	1000	100-1000 µL	Case of 3200
2279-05	1000	100-1000 µL	Racked, Sterile, 8 x 100/Rack
2279IW	1000	100-1000 µL	Individual wrapped, Pre-Sterilized, 500/Bag
2079E	1000E	100-1000 µL	Racked, Sterile, 8 x 100/Rack
2079	1000	1-1000 µL	ART 1000 Reach Racked St
2079EIV	1000E	100-1000 µL	Individual wrapped, Pre-Sterilized, 500/Bag
2180B	5000	1-5 mL	ART 5000 5ML TIP BULK ST

Thermo Scientific™ ART™ Barrier / Non Filter Specialty Tips

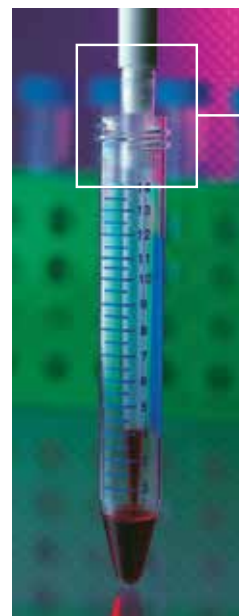
Reach Extended Non Filter Pipette Tips

Cat. No.	Description	Volume	Packaging
3511-HR	Pure 10 µL Reach, Sterile, Racked	0.1-10 µL	Racked, Sterile
3511-05-HR	Pure 10 µL Reach, Sterile, Low Retention	0.1-10 µL	Racked, Sterile
3512-HR	Pure 10 µL Reach, Racked Non Sterile	0.1-10 µL	96 tips/tray, 10 trays/pack
3512-05-HR	Pure 10 µL Reach, Racked, Non Sterile, Low Retention	0.1-10 µL	96 tips/tray, 10 trays/pack
3541-HR	200 µL, Racked, Reach, Sterile	2-200 µL	96 tips/tray, 8 trays/pack
3541-05-HR	200 µL, Reach, Racked, Sterile, Low Retention	2-200 µL	96 tips/tray, 8 trays/pack
3542-HR	200 µL, Reach, Racked, Non Sterile	2-200 µL	96 tips/tray, 8 trays/pack
3542-HR	200 µL, Racked, Reach, Non Sterile	2-200 µL	96 tips/tray, 8 trays/pack
3542-05-HR	200 µL, Reach, Racked, Non Sterile, Low Retention	2-200 µL	96 tips/tray, 8 trays/pack
3791-HR	Pure 1000 µL Reach, Racked, Sterile	100-1000 µL	96 tips/tray, 8 trays/pack
3791-05-HR	Pure 1000 µL Reach, Racked, Sterile, Low Retention	100-1000 µL	96 tips/tray, 8 trays/pack
3792-HR	Pure 1000 µL Reach, Racked, Non Sterile	100-1000 µL	96 tips/tray, 8 trays/pack
3792-05-HR	Pure 1000 µL Reach, Racked, Non Sterile, Low Retention	100-1000 µL	96 tips/tray, 8 trays/pack
3151-HR	1250 µL Reach, Racked, Sterile	1250 µL	96 tips/tray, 8 trays/pack
3151-05-HR	1250 µL Reach, Racked, Sterile, Low Retention	1250 µL	96 tips/tray, 8 trays/pack
3152-HR	1250 µL Reach, Racked, Non Sterile	1250 µL	96 tips/tray, 8 trays/pack
3152-05-HR	1250 µL Reach, Racked, Non Sterile, Low Retention	1250 µL	96 tips/tray, 8 trays/pack



Reach Extended ART Barrier Pipette Tips

Cat. No.	Description	Volume	Packaging
2140	10 Reach	10 µL	Reach, Racked, sterile
2140-HR	10 Reach	10 µL	Reach, Hinge Racked, sterile
2140-RI	10 Reach	10 µL	Reach, Reload Insert, Sterile
2140-05	10 Reach*, MicroPoint	0.1-10 µL	reach, Reload Insert, Sterile, Low retention
2140-05-HR	10 Reach, MicroPoint	0.1-10 µL	Hinge rack, Reach, Sterile, Low retention
2140-05-RI	10 Reach, MicroPoint	0.1-10 µL	Reach, Reload Insert, Sterile, Low retention
2159P	XLP, Ext. Length	5-180 µL	Extended Length, racked, Sterile
2159PIW	XLP, Ext. Length	5-180 µL	Extended Length, Individual Wrap, Pre-sterilized
2160P	XLP 200, Ext. Length	5-200 µL	Extended Length, Racked, Sterile
2160P-HR	XLP 200, Ext. Length	5-200 µL	Extended Length, Hinge racked, Sterile
2160P-05-HR	XLP 200, Ext. Length	5-200 µL	Extended Length, Hinge racked, Sterile, Low retention
2160PIW	XLP 200, Ext. Length	5-200 µL	Extended Length, Individual Wrap, Pre-sterilized
2079-HR	1000 Reach, Ext. Length	100-1000 µL	Hinge Racked, Reach, sterile
2079-05-HR	1000 Reach, Ext. Length	100-1000 µL	Hinge Racked, Reach, Sterile, Low retention
2179-05-HR	1000XL	100-1000 µL	Hinge Racked, Extended length, Sterile, Low retention
2179-HR	1000XL	100-1000 µL	Hinge Racked, Extended length, Sterile
2179-RT	1000XL	100-1000 µL	Reload Tower, Extended length, Sterile
2179-05-RT	1000XL	100-1000 µL	Reload Tower, Extended length, Sterile, Low retention
2080	1250	1250 µL	Racked, Extended Length, 8 × 96, Sterile
2080-HR	1250	1250 µL	Hinge Racked, Extended Length, 8 × 96, Sterile
2080-05-HR	1250	1250 µL	Extended Length, Hinge racked, Sterile, Low retention



Wide Bore ART Non Filter Pipette Tips



Cat. No.	Description	Volume	Packaging
3531	Racked, Sterile	40-200 µL	10 × 96 / Rack
3590	Bulk, non Sterile	100-1000 µL	1000 tips per bag
3591	Racked, Sterile	100-1000 µL	8 × 100 / Rack
3592	Racked, Non Sterile	100-1000 µL	8 × 100 / Rack

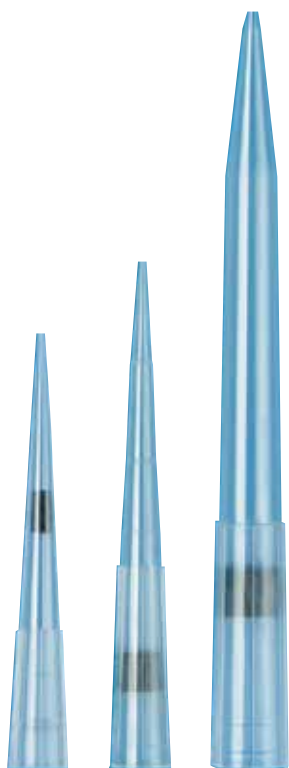
Wide Bore ART Barrier Pipette Tips

Cat. No.	Description	Volume	Packaging
2069G	ART, Racked, Sterile, Wide Bore	200 µL	10 × 96 / Rack
2160G	ART, Racked, Sterile, Wide Bore	5-200 µL	10 × 96 / Rack
2079G	ART Racked, Sterile, Wide Bore	100-1000 µL	8 × 100 / Rack
2079GIW	ART, Wide Bore, Individual Wrap, Pre- Sterilized	100-1000 µL	500/bag

ART - Solvent safe Tips

Carbon Filtered Pipet Tips for Acids, Bases and Aggressive Organic Solvents

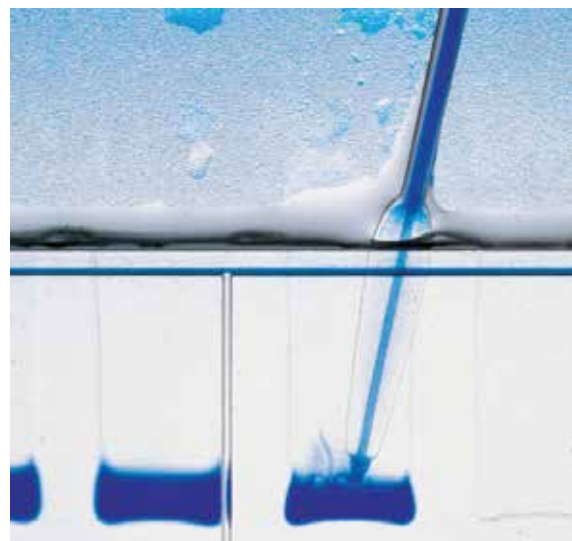
- The inside of an ART® Solvent Safe pipet tip contains a unique activated carbon cartridge in the place of the ART® filter.
- The activated carbon cartridge acts as a decontaminating barrier between the liquid and pipette shaft, thus protecting against destructive carryover aerosols and vapours from volatile organic solvents



Cat. No.	Description	Packaging
5469	200µL carbon filter pipet tips	Racked, Pre-Sterilized, 96 tips/tray, 4 trays/pack
5479E	1000µL carbon filter pipet tip	Racked, Pre-Sterilized, 100 tips/tray, 4 trays/pack

Hydrologix Gel Loading Tips

Loading acrylamide or even agarose gels with standard pipet tips is an often time-consuming and frustrating process. Molecular Bio Products is one of only two tip companies in the world with the technology to produce tips specifically for this application. You will find our standard, round gel loading tips for agarose gels both here and in our ART tip section as well as very specialized Ultra Round and Ultra Flat gel tips for your polyacrylamide gels. Available in six styles and six ODs, we have all your gel loading needs covered.



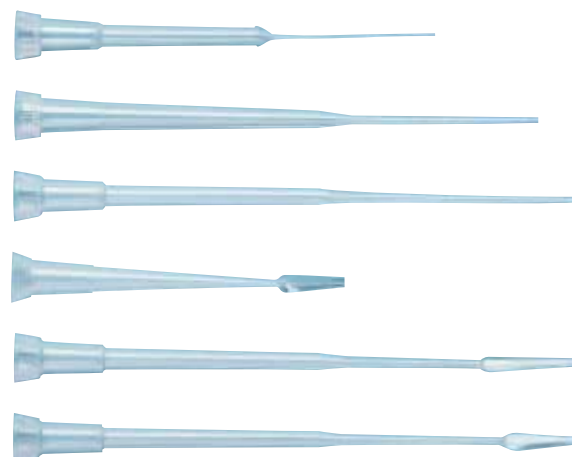
Gel Loading Non Filter Pipette Tips

Cat. No.	Description	Packaging
3690	200µl Round Gel Loading Pipet Tip, .61mm OD	Bulk, 1000 tips/bag
3621	200µl Universal Round Gel Tip, 5µl Grad mark, .57mm OD	Racked, Non-sterile, 200 tips/tray, 1 tray/pack
3631	200µl Universal Flat Gel Tip, 5µl Grad mark, .37mm OD	Racked, Non-sterile, 200 tips/tray, 1 tray/pack

Gel Loading ART Filter Pipette Tips

Cat. No.	Description	Packaging
2155	Gel 100, Gel Loading, 0.5-100 µL	Racked, sterile
2155P	Gel 20P, Gel Loading, 0.5-20 µL	Racked, sterile

Gel Thickness	OD	ID	Use
For loading gels 0.4mm thick and thinner	0.25mm 0.010 in	.13mm .005in	Capillary Systems is what this tip is well suited for
For loading gels 0.6mm thick and thicker	.58mm .023in	.31mm .012in	Great for Agarose, 2-D & SDS PAGE, Proteins
For loading gels 0.6mm thick and thicker	.57mm .0224in	.38mm .015in	Great for Agarose, 2-D & SDS PAGE, Proteins
For loading gels 0.2mm thick and thinner	.17mm .0067in		Perfect fit for DNA sequencing gels
For loading gels 0.4mm thick and thinner	.37mm .0146in		Ideal for Polyacrylamide sequencing gels
For loading gels 0.2mm thick and thinner	.17mm .0067m		Perfect fit for DNA sequencing gels



ART™ & HLT Tip Compatibility with Eppendorf Pipette

Pipette Style	Volume Range	ART(Aerosol Barrier)			HLT(Non-Filtered)		
		Sterile		Non-Sterile	Sterile	Non-Sterile	
		Rack	Reload	Bulk	Rack	Bulk	Rack
Research Plus Single Channel	0.1-2.5µl, 0.5-10µl, 10µl fixed,	2149E, 2149E-HR	2149E-RI	2149EB	3521-HR	3520	3522-HR
	100µl Fixed, 50µl Fixed	2065E-HR, 2065, 2065E 2065-HR,	2065-RI	2065B, 2065EB	3551-HR	3550	3552-HR
	100-1000µl, 500µl Fixed , 1000µl Fixed	2079, 2079E, 2279, 2179-HR	2179-RI	2079B, 2079EB	3101-HR		
	10-100µl	2065, 2065E, 2065-HR	2065-RI	2065B, 2065EB	3551-HR	3550	3552-HR
	20µl Fixed	2149			3521-HR	3520	3522-HR
	20-200µl, 200µl Fixed	2069, 2069-HR	2069-RI	2069B	3551-HR	3550	3552-HR
	2-20µl	2149			3521-HR	3520	3522-HR
	25µl Fixed	2780			3551-HR	3550	3552-HR
	250µl Fixed	2070		2070B	3771-HR		3772-HR
	30-300µl	2070			3771-HR		3772-HR
	500-5000µl					3896	
	1000-10000µl						
	0.5-10µl	2149E, 2149E-HR	2149E-RI	2149EB	3521-HR	3520	3522-HR
	10-100µl	2065, 2065E, 2065-HR	2065-RI	2065B, 2065EB	3551-HR	3550	3552-HR
	30-300µl	2070					
	50-300µl (8 & 12 Channels)			2070B	3771-HR		3772-HR
Xplorer & Xplorer Plus Single Channel	0.5-10µl	2149E, 2149E-HR	2149E-RI	2149E, 2149EB	3521-HR	3520	3522-HR
	15-300µl	2070		2070B	3771-HR		3772-HR
	250-5000µl					3896	
	500-10000µl					3898	
	50-1000µl	2079, 2079E, 2279, 2179-HR	2179-RT	2079EB, 2279B	3101-HR		3792-HR
	5-100µl	2065, 2065E, 2065-HR	2065-RI	2065B, 2065EB	3521-HR	3520	3522-HR
	0.5-10µl	2149E, 2149E-HR	2149E-RI	2149E, 2149EB	3521-HR	3520	3522-HR
Multi Channel (8 & 12 Channel)	15-300µl	2070		2070B	3771-HR		3772-HR
	50-1200µl	2080, 2090		2080B, 2090B			
	5-100µl	2065, 2065E, 2065-HR	2065-RI	2065B, 2065EB	3551-HR	3550	3552-HR
	25-250µl				3771-HR		3772-HR



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For immediate access to the mobile app of your choice visit www.thermoscientific.com/tipselector

Molecular BioProducts Pipette Tips Compatibility Chart

ART Cross Reference	Gilson/Pipetman								RAININ														
	Pipetman P-2 2ul	Pipetman P-10 10 µL	Pipetman P-20 20 µL	Pipetman P-100 100 µL	Pipetman P-200 200 µL	Pipetman P-1000 1000 µL	Pipetman P-5000 5 mL	Pipetman P-10 mL 10 mL	EP-10/E2-MIC-10 10 µL	EP-25/E2-25 25 µL	EP-100/E2-100 100 µL	EP-250/E2-100 250 µL	EP-1000/E2-1000 1000 µL	Pipet Lite LTS L-2 2 µL	Pipet Lite LTS L-10 10 µL	Pipet Lite LTS L-20 20 µL	Pipet Lite LTS L-100 100 µL	Pipet Lite LTS L-200 200 µL	Pipet Lite LTS L-1000 1000 µL	LTS 8 & 12 Multi-Channel L8-10 L12-10	LTS 8 & 12 Multi-Channel L8-20 L12-20	LTS 8 & 12 Multi-Channel L8-200 L12-200	LTS 8 & 12 Multi-Channel L8-300 L12-300
10 µL																							
ART 10	•	•							•														
ART 10 REACH	•	•							•														
ART 10F				•	•																		
ART 20E																							
20 µL to 100 µL																							
ART 20																							
ART 20P										•													
ART GEL 20P			•	•	•																		
ART 20L																•							
ART 20 ERGO-F																							
ART 50U																							
ART 100				•	•																		
ART 100E				•	•																		
ART 100 ERGO-G				•																			
ART 100 ERGO-F																							
ART GEL 100																							
ART XLP																							
200 µL to 500 µL																							
ART 200				•	•						•												
ART 200U					•						•												
ART 200G																							
ART 200L																	•	•					
ART 200 ERGO-G					•																		
ART 200 ERGO-F																							
ART XLP 200																							
ART XLG																							
ART 300																							
1 mL to 5 mL																							
ART 1000																							
ART 1000E						•						•											
ART 1000 REACH						•																	
ART 1000G																							
ART 1000L																			•				
ART 1000 ERGO-G						•																	
ART 1000 ERGO-F																							
ART 1200																							
ART 1250																							
ART 5000																							

[illegible]

Molecular BioProducts Pipette Tips Compatibility Chart

ART Cross Reference	EPPENDORF														NICHIRYO/OXFORD							
	Response 4850 Electric 100 µL	Response 4850 Electric 500 µL	Response 4850 Electric 1000 µL	Titerman 4908 Multi-Channel 10 µL	Titerman 4908 Multi-Channel 50 µL	Titerman 4908 Multi-Channel 300 µL	Research Pro Electronic 10 µL	Research Pro Electronic 100 µL	Research Pro Electronic 300 µL	Research Pro Electronic 1000 µL	Research Pro Multi-Channel 8 & 12 10 µL	Research Pro Multi-Channel 8 & 12 100 µL	Research Pro Multi-Channel 8 & 12 300 µL	Research Pro Multi-Channel 8 1200 µL	BenchMate 2 µL	BenchMate 10 µL	BenchMate 20 µL	BenchMate 50 µL	BenchMate 100 µL	BenchMate 200 µL	BenchMate 1000 µL	BenchMate 5000 µL
10 µL																						
ART 10															•	•						
ART 10 REACH															•	•						
ART 10F					•	•		•	•											•		
ART 20E				•			•									•						
20 µL to 100 µL																						
ART 20							•									•						
ART 20P	•				•	•		•	•								•	•	•	•		
ART GEL 20P																			•	•		
ART 20L																						
ART 20 ERGO-F																						
ART 50U					•			•														
ART 100					•	•		•	•										•	•		
ART 100E	•				•	•		•	•										•	•		
ART 100 ERGO-G																						
ART 100 ERGO-F																						
ART GEL 100																						
ART XLP																						
200 µL to 500 µL																						
ART 200		•			•	•			•											•		
ART 200U																						
ART 200G																						
ART 200L																						
ART 200 ERGO-G																						
ART 200 ERGO-F																						
ART XLP 200																						
ART XLG																				•		
ART 300		•				•			•				•							•		
1 mL to 5 mL																						
ART 1000			•							•											•	
ART 1000E										•											•	
ART 1000 REACH																					•	
ART 1000G			•																			
ART 1000L																						
ART 1000 ERGO-G																						
ART 1000 ERGO-F																						
ART 1200																						
ART 1250																						
ART 5000																						



BIOHIT														SOCOREX													
Proline Electronic 10 µL	Proline Electronic 100 µL	Proline Electronic 250 µL	Proline Electronic 500 µL	Proline Electronic 1000 µL	Proline Variable 10 µL	Proline Variable 50 µL	Proline Variable 200 µL	Proline Variable 1000 µL	Proline Variable 5000 µL	Proline Multi-Channel 10 µL	Proline Multi-Channel 50 µL	Proline Multi-Channel 100 µL	Proline Multi-Channel 250 µL	Calibra 2 µL	Calibra 10 µL	Calibra 20 µL	Calibra 100 µL	Calibra 200 µL	Calibra 1000 µL	Calibra Multichannel 50 µL	Calibra Multichannel 100 µL	Calibra Multichannel 200 µL					
10 µL																											
					•					•				•	•												
•										•				•	•												
		•			•	•								•	•												
20 µL to 100 µL																											
														•	•												
		•											•			•	•	•				•					
		•				•					•	•	•				•	•									
•	•	•				•							•				•	•				•					
200 µL to 500 µL																											
		•				•					•	•	•														
		•																				•					
		•				•							•					•		•		•					
1 mL to 5 mL																											
								•											•								
				•															•								
				•															•								

Molecular BioProducts Pipette Tips Compatibility Chart

ART Cross Reference	mLA				BRANDTECH																
	mLA 50 µL	mLA 200 µL	mLA 5000 µL	Digital Pipet 200 µL	Transferpette Multi-Channel 10 µL	Transferpette Multi-Channel 20 µL	Transferpette Multi-Channel 25 µL	Transferpette Multi-Channel 50 µL	Transferpette Multi-Channel 100 µL	Transferpette Multi-Channel 200 µL	Transferpette Multi-Channel 300 µL	Transferpette 10 µL	Transferpette 20 µL Ultra Micro	Transferpette 20 µL	Transferpette 50 µL	Transferpette 100 µL	Transferpette 200 µL	Transferpette 250 µL	Transferpette 1000 µL	Transferpette 5000 µL	
10 µL																					
ART 10					•	•						•	•								
ART 10 REACH					•	•						•	•								
ART 10F	•	•					•	•	•												
ART 20E					•	•						•	•								
20 µL to 100 µL																					
ART 20					•	•															
ART 20P	•						•	•	•	•	•			•	•	•	•				
ART GEL 20P								•	•	•	•			•	•	•	•				
ART 20L																					
ART 20 ERGO-F																					
ART 50U																					
ART 100	•	•					•	•	•							•	•				
ART 100E	•						•		•	•	•			•	•		•				
ART 100 ERGO-G																					
ART 100 ERGO-F																					
ART GEL 100									•	•	•						•				
ART XLP							•		•	•	•				•	•	•				
200 µL to 500 µL																					
ART 200	•	•		•			•	•	•								•				
ART 200U										•							•				
ART 200G																					
ART 200L																					
ART 200 ERGO-G																					
ART 200 ERGO-F																					
ART XLP 200							•			•	•						•				
ART XLG	•	•					•			•	•						•				
ART 300							•		•	•	•						•				
1 mL to 5 mL																					
ART 1000																			•		
ART 1000E																			•		
ART 1000 REACH																			•		
ART 1000G																			•		
ART 1000L																					
ART 1000 ERGO-G																					
ART 1000 ERGO-F																					
ART 1200																					
ART 1250																					
ART 5000			•																		

PIPETTES TIPS

Molecular BioProducts Pipette Tips Compatibility Chart

ART Cross Reference		ART Filter (sterile)																	
		10	10F	10 Reach	20E	20P	Ergo-F 20	GEL 20P	Solvent Safe 20P	100	100E	100E	Ergo-F 100	GEL 100	101	200	300	1000	1000E
Thermo Scientific Pipetter Description	Cat. No.	2139	2139F	2140	2149E	2149P	2350	2155P	5449P	2065	2065E	5479E	2360	2155	5469	2069	2070	2279	2079E
F1 0.2-2 µL	4641010	•		•															
F1 0.5-5 µL	4641020	•		•															
F1 1-10 µL micro	4641030	•		•															
F1 1-10 µL	4641040		•																
F1 2-20 µL micro	4641050																		
F1 2-20 µL	4641060					•	•	•	•										
F1 10-100 µL	4641070									•			•	•	•	•	•		
F1 20-200 µL	4641080															•	•		
F1 30-300 µL	4641090																•		
F1 100-1000 µL	4641100																	•	•
F1 0.5-5 µL	4641110																		
F1 1-10 µL	4641120																		
F1 8-ch 1-10 µL	4661000	•																	
F1 12-ch 1-10 µL	4661040	•																	
F1 16-ch 1-10 µL	4661080																		
F1 8-ch 5-50 µL	4661010												•						
F1 12-ch 5-50 µL	4661050												•						
F1 16-ch 5-50 µL	4661090																		
F1 8-ch 10-100 µL	4661020												•						
F1 12-ch 10-100 µL	4661060												•						
F1 8-ch 30-300 µL	4661030																•		
F1 12-ch 30-300 µL	4661070																•		
F2 0.2-2 µL	4642010	•		•															
F2 0.5-5 µL	4642020	•		•															
F2/F3 1-10 µL micro	4642030 4640000	•		•															
F2/F3 1-10 µL	4642040 4640010		•			•	•		•					•					
F2/F3 2-20 µL micro	4642050 4640020																		
F2/F3 2-20 µL	4642060 4640030					•	•		•										
F2/F3 10-100 µL	4642070 4640040									•			•	•	•	•	•		
F2/F3 20-200 µL	4642080 4640050																•		
F2/F3 100-1000 µL	4642090 4640060																		•
F2 0.5-5 mL	4642100																		



ART Cross Reference		ART Filter (sterile)																				
		10	10F	10 Reach	20E	20P	Ergo-F 20	GEL 20P	Solvent Safe 20P	100	100E	100E	Ergo-F 100	GEL 100	101	200	300	1000	1000E	Ergo-F 1000	Ergo-G 1000	1000 Reach
Thermo Scientific Pipetter Description	Cat. No.	2139	2139F	2140	2149E	2149P	2350	2155P	5449P	2065	2065E	5479E	2360	2155	5469	2069	2070	2279	2079E	2380	2340	2079
F2/F3 1-10 µL	4642110 4640070																					
F2 8-ch 1-10 µL	4662000	•																				
F2 12-ch 1-10 µL	4662040	•																				
F2 16-ch 1-10 µL	4662080																					
F2 8-ch 5-50 µL	4662010												•									
F2 12-ch 5-50 µL	4662050												•									
F2 16-ch 5-50 µL	4662090																					
F2 8-ch 10-100 µL	4662020												•									
F2 12-ch 10-100 µL	4662060												•									
F2 8-ch 30-300 µL	4662030																•					
F2 12-ch 30-300 µL	4662070																•					
Novus 1-10 µL micro	46200000				•																	
Novus 1-10 µL	46200100																					
Novus 5-50 µL micro	46200200																					
Novus 5-50 µL	46200300																•					
Novus 10-100 µL	46200400															•	•					
Novus 30-300 µL	46200500																•					
Novus 100-1000 µL	46200600																	•				•
Novus 0.5-5 mL	46200700																					
Novus 1-10 mL	46200800																					
Novus 8-ch 1-10 µL	46300000	•		•																		
Novus 12-ch 1-10 µL	46300100	•		•																		
Novus 8-ch 5-50 µL	46300200																					
Novus 12-ch 5-50 µL	46300300																					
Novus 16-ch 5-50 µL	46300700																					
Novus 8-ch 30-300 µL	46300400																•					
Novus 12-ch 30-300 µL	46300500																•					
Novus 8-ch 100-1200 µL	46300800																					

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High-quality laboratory equipment and cell culture consumables for researchers working with blood products



Microcentrifuge Tube and Racks

For genomics and related research, dependable thermal cyclers and high-quality consumables are the keys to productivity and success.

Thermo Scientific™ PCR products provide a range of PCR solutions for superior results.

Thermo Scientific™ Electroporation Cuvettes	84
The Importance of a High-Quality Microcentrifuge Tube	85
Thermo Scientific™ Snap Cap Low Retention Microcentrifuge Tubes	87
Thermo Scientific™ Screw Cap Tubes	88
Thermo Scientific™ Conical Microcentrifuge Tubes	88
Thermo Scientific™ Free Standing Microcentrifuge Tubes	89
Thermo Scientific™ Screw Caps	89
Thermo Scientific™ Specialty Tubes	90
Thermo Scientific™ Microtiter Tube Racks	90
Thermo Scientific™ Storage Racks	91
Thermo Scientific™ Reversible Microtube Racks	91
Thermo Scientific™ Flipper Racks	92
Thermo Scientific™ Four-Way Flipper Racks	92
Thermo Scientific™ Cryogenic Racks with Lid	92
Thermo Scientific™ DNA AWAY™ Surface Decontaminant	93
Thermo Scientific™ RNase AWAY™ Surface Decontaminant	93

Thermo Scientific™ Electroporation Cuvettes

The durable polycarbonate construction of Molecular BioProducts Electroporation Cuvettes enables them to withstand pulses required by many commonly used electroporators.

Molecular BioProducts electroporation cuvettes are thoroughly cleansed to eliminate trace inhibitor materials, and then sterilized with electronic beam irradiation. Gap tolerances are precisely set for reproducible field strength delivery and provide high transformation efficiency.

Details:

- Ideal for bacterial transformation and transfection
- Seamless plastic molding to prevent sample leaking
- Parallel aluminum plates for uniform sample treatment
- Frosted caps for easy labeling
- 1, 2 and 4 mm gap width available with color-coded caps
- Stringent manufacturing process to ensure reproducible results
- Individually wrapped, single-use packaging
- Pre-sterilized transfer pipetter included in the package to facilitate sample transfer

Cat. No.	Description	Unit Packaging
5510	1 mm gap (Pre-sterilized, white cap)	50 cuvettes
5520	2 mm gap (Pre-sterilized, blue cap)	50 cuvettes
5540	4 mm gap (Pre-sterilized, green cap)	50 cuvettes

The Importance of a High-Quality Microcentrifuge Tube

Key Words

- **Centrifuge:** A motorized laboratory instrument where a rotor spins liquid samples around a fixed axis and works on the principle of sedimentation whereby as a spinning rotor accelerates, substances are segmented by density.
- **RPM (revolutions per minute):** The speed that the centrifuge rotor spins at.
- **RCF (relative centrifugal force):** The force exerted on the contents of the rotor, resulting from the revolutions of the rotor. $RCF = (1.118 \times 10^{-5})(r) (RPM)^2$, where “r” is the radius of the rotor expressed in centimeters. It is RCF that separates aqueous solutions in the centrifuge. RCF is specified by force x gravity or g-force, for example, 25 k x G. Microcentrifuge tubes are rated to indicate the force they can withstand in the centrifuge.

Centrifugation

Centrifugation is a widely applied technique in biochemistry, cellular and molecular biology. Research and clinical applications in microbiology and cytology depend on the sedimentation of cells to isolate macromolecules, such as DNA, RNA, proteins and lipids. Microcentrifuge tubes are a vital component as protocols require samples to be spun at specified RCFs.

Criteria to guarantee a high-performance MCT

When choosing a microcentrifuge tube (MCT), one must consider the durability of the tube and its ability to withstand the force applied to the tube by the centrifugation process. Tube integrity is critical when working with hazardous samples, viruses, pathogen bacteria, blood samples or radioactive probes. **A poorly designed MCT that fails during use can directly lead to loss of hours or days in research time, loss of valuable samples and reagents, damage to the centrifuge and laboratory, and in some cases, personal injury.**

Dimensional inspection ensures that the MCT conforms to the specifications of the part drawing and product quality requirements. At high speeds, a centrifuge rotor can become imbalanced and damaged if the tubes are not uniformly manufactured.

Uniform wall thickness and tube concentricity are essential to ensuring that the tube will not fail under the force of the centrifuge. A **thin wall** can cause the tube to **deform under heat and pressure**, making it difficult to retrieve the sample. A small difference in the mass of the load is amplified when the rotor is running at high speed, possibly causing strain on the centrifuge spindle and possible resulting in damage to the centrifuge itself or worse, personal injury.

A proper **cap-to-tube interface** is critical to ensure that the cap remains closed during use and centrifugation, yet opens easily with one hand in a single motion. Excessive force to open and close a cap can lead to repetitive strain injuries. A complete seal is required to ensure that the caps do not open during centrifugation, causing loss of samples and contamination to the centrifuge itself. Loose caps allow evaporation and can be a serious threat if airborne particles that could contain infectious viruses or bacteria escape into the environment. On the other hand, caps that are too tight can cause spillage upon opening, because the excessive force that must be used to open the cap may result in splattering of the tube contents.



MCT tube volume and style	Rated at
0.6 ml SNAP CAP	30 kxG
1.5 ml SNAP CAP	26 kXG
2.0 ml SNAP CAP	25 kxG
0.5 ml SCREW CAP CONICAL	25 kxG
1.5 ml SCREW CAP CONICAL	20 kxG
2.0 ml SCREW CAP CONICAL	20 kxG
0.5 ml SCREW CAP FREE STANDING	30 kxG
1.5 ml SCREW CAP MCT-FREE STANDING	18 kxG
2.0 ml SCREW CAP MCT-FREE STANDING	18 kxG

The results of MCT failure range from the inconvenient to the catastrophic. Time and money is wasted due to the need to repeat a procedure, loss of costly samples or reagents, contamination, damage or destruction to laboratory equipment, or injury to laboratory personnel.

Thermo Fisher Scientific – manufacturing expertise and quality design

Consistency in manufacturing a tube of high strength ensures confidence in use and repeatability of results. Thermo Scientific™ MCTs are designed and manufactured to meet the most rigorous requirements of centrifugation and daily laboratory use. They are manufactured from virgin polypropylene under strict tolerances. **Polypropylene** is an ideal material because it has a high resistance to the mechanical stress of centrifugation.

Protocols for centrifugation typically specify the speed of acceleration to be applied to the sample. Acceleration is quoted in multiples of G, the acceleration due to gravity at the earth's surface. Maximum g-force ratings have been established that exceed the maximum required for typical laboratory requirements. In addition, **Thermo Scientific™ MCTs have been rigorously tested at these higher g-force ratings and show no signs of lifting caps, leakage, damage or stress, thus maintaining the integrity of the sample and the experiment.** Because Thermo Scientific MCTs are tested under conditions not likely to be experienced in a laboratory, users can have absolute confidence that Thermo Scientific MCTs will perform consistently day in and day out.

Physical inspection and rigorous quality testing of Thermo Scientific™ MCTs is a key component in manufacturing that ensures a quality product can be consistently delivered and relied up to exceed your centrifugation needs. Over 35 years of manufacturing experience in the production of high-performance plastics is applied to produce MCTs that are superior in terms of reproducibility of results, cost savings, on time delivery, versatility, and uncompromised safety.

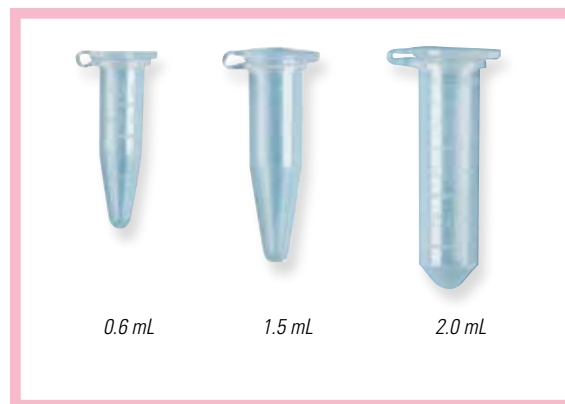
Benefits in choosing Thermo Scientific™ MCTs

- Certified to ISO 9001 and ISO 13385 standards. The tubes undergo rigorous in-house QC laboratory testing including, but not limited to evaporation, vacuum, dimensional inspection, centrifugation, leak, seal and cap fit. This post production QC methodology ensures quality tubes that are suitable for the everyday rigors of a laboratory environment.
- A comprehensive range of microcentrifuge tubes. A key component in laboratory workflow, including sample preparation, centrifugation, short-term sample storage, sample processing and workspace organization.
- Combination of consistent product quality, depth of product line, product support and timely delivery.
- Packaged in **individually sealed bags** of 50 or 100 tubes to protect the integrity of your product against cross contamination.
- Clean claims testing that is conducted by an independent testing laboratory.
- **Standard product is certified to be free of RNase, DNase, DNA, and pyrogens.** Sterile product is certified to be free of RNase, DNase, DNA, pyrogen, endotoxin, ATP, bioburden and PCR inhibitors.

Thermo Scientific™ Snap Cap Low Retention Microcentrifuge Tubes

Thermo Scientific™ Snap Cap Low Retention Microcentrifuge Tubes

Featuring a duck bill cap to reduce pressure required to open these tubes while ensuring the cap will remain closed during centrifugation. Now available in low retention technology to improve sample recovery. Autoclavable, boil proof and freezable to -80°C. Made from virgin polypropylene.

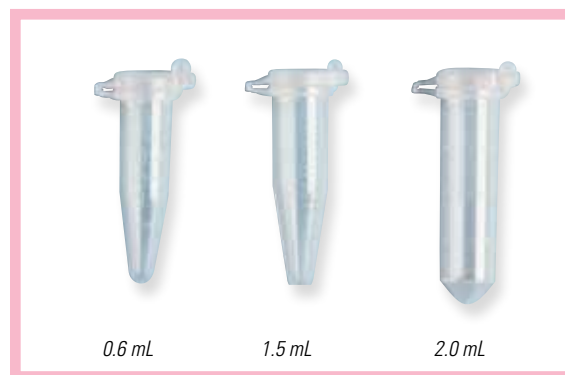


Cat. No.	Description	Color	Rated at	Packaging Price/Unit `
3446	0.6 mL, Graduated, Non-Sterile	Natural	30k x G	100 tubes/bag, 10 bags/unit
3449	0.6 mL, Graduated, Sterile	Natural	30k x G	100 tubes/bag, 10 bags/unit
3448	1.5 mL, Graduated, Non-Sterile	Natural	26k x G	50 tubes/bag, 10 bags/unit
3451	1.5 mL, Graduated, Sterile	Natural	26k x G	50 tubes/bag, 10 bags/unit
3434	2.0 mL, Graduated, Non-Sterile	Natural	25k x G	50 tubes/bag, 10 bags/unit
3453	2.0 mL, Graduated, Sterile	Natural	25k x G	50 tubes/bag, 10 bags/unit

Packaging: 0.6 mL available 1000/unit; 1.5 mL/2.0 mL available 500/unit

Thermo Scientific™ Graduated Safelock Microcentrifuge Tubes

Safelock locking lid design and graduations provide the security of a screw cap tube, but with the ease-of-use of a snap cap tube. Autoclavable, boil proof and freezable to -80°C. Made from virgin polypropylene.



Cat. No.	Description	Color	Rated at	Packaging
3454	0.6 mL, Graduated, Locking Lid, Non-Sterile	Natural	30k x G	100 tubes/bag, 10 bags/unit
3455-11	0.6 mL, Graduated, Locking Lid, Sterile	Natural	30k x G	100 tubes/bag, 10 bags/unit
3456	1.5 mL, Graduated, Locking Lid, Non-Sterile	Natural	24k x G	50 tubes/bag, 10 bags/unit
3457	1.5 mL, Graduated, Locking Lid, Sterile	Natural	24k x G	50 tubes/bag, 10 bags/unit
3458	2.0 mL, Graduated, Locking Lid, Non-Sterile	Natural	25k x G	50 tubes/bag, 10 bags/unit
3459	2.0 mL, Graduated, Locking Lid, Sterile	Natural	25k x G	50 tubes/bag, 10 bags/unit

Packaging: 0.6 mL available 1000/unit; 1.5 mL/2.0 mL available 500/unit

Thermo Scientific™ Screw Cap Tubes



Thermo Scientific™ Conical Microcentrifuge Tubes

Conical and Free Standing Microcentrifuge Tubes are an ideal choice for short term sample storage. Autoclavable, boil proof and freezable to -80°C. Made from virgin polypropylene.

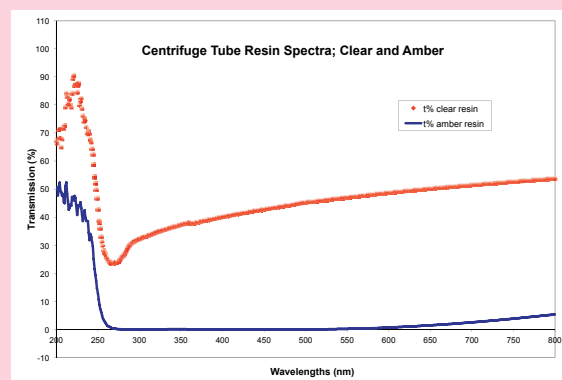
Cat. No.	Description	Color	Rated at	
3460	0.5 ml Conical with Screw Cap & O-Ring Nonsterile	Natural	25k × G	50 tubes/bag, 10 bags/unit, 500 caps/bag/unit
3431-11	0.5 ml Conical with Screw Cap & O-Ring, Sterile	Natural	25k × G	50 tubes and attached caps/bag, 10 bags/unit
3460A	0.5 ml Conical with Screw Cap & O-Ring Nonsterile	Amber	25k × G	50 tubes/bag, 10 bags/unit, 500 caps/bag/unit
3431A	0.5 ml Conical with Screw Cap & O-Ring, Sterile	Amber	25k × G	50 tubes and attached caps/bag
3462	0.5 ml Conical Tube only, Nonsterile	Natural	25k × G	50 tubes/bag, 10 bags/unit
3464	1.5 ml Conical with Screw Cap & O-Ring, Nonsterile	Natural	20k × G	50 tubes/bag, 10 bags/unit, 500 caps/bag/unit
3461	1.5 ml Conical with Screw Cap & O-Ring Sterile	Natural	20k × G	50 tubes and attached caps/bag, 10 bags/unit
3464A	1.5 ml Conical with Screw Cap & O-Ring, Nonsterile	Amber	20k × G	50 tubes/bag, 10 bags/unit, 500 caps/bag/unit
3461A	1.5 ml Conical with Screw Cap & O-Ring Sterile	Amber	20k × G	50 tubes and attached caps/bag, 10 bags/unit
3466	1.5 ml Conical Tube only, Nonsterile	Natural	20k × G	50 tubes/bag, 10 bags/unit
3468	2.0 ml Conical with Screw Cap & O-Ring, Nonsterile	Natural	20k × G	50 tubes/bag, 10 bags/unit, 500 caps/bag/unit
3463	2.0 ml Conical with Screw Cap & O-Ring, Sterile	Natural	20k × G	50 tubes and attached caps/bag, 10 bags/unit
3468A	2.0 ml Conical with Screw Cap & O-Ring, Nonsterile	Amber	20k × G	50 tubes/bag, 10 bags/unit, 500 caps/bag/unit
3463A	2.0 ml Conical with Screw Cap & O-Ring, Sterile	Amber	20k × G	50 tubes and attached caps/bag, 10 bags/unit
3470	2.0 ml Conical Tube only, Nonsterile	Natural	20k × G	50 tubes/bag, 10 bags/unit

Packaging: 500/unit

The Amber Advantage

When working with light sensitive applications you can rely on our Amber tubes to block destructive light to keep your sensitive samples protected.

On the graph, both amber and clear resins transmit UV light. The clear resin transmits light throughout the 200 to 800 nm range, while the Amber resin had virtually 0% transmission from 270 to 600 nm and increased slightly when approaching 600 to 800 nm.



Thermo Scientific™ Free Standing Microcentrifuge Tubes

Conical and Free Standing Microcentrifuge Tubes are available in natural or amber for light sensitive applications. Autoclavable, boil proof and freezable to -80°C. Made from virgin polypropylene.



Cat. No.	Description	Color	Rated at	Packaging Price/Unit`
3472	0.5 ml Free Standing with Screw Cap & O-Ring, Nonsterile	Natural	30k × G	50 tubes/bag, 10 bags/unit, 500 caps/bag/unit
3465	0.5 ml Free Standing with Screw Cap & O-Ring, Sterile	Natural	30k × G	50 tubes and attached caps/bag, 10 bags/unit
3472A	0.5 ml Free Standing with Screw Cap & O-Ring, Nonsterile	Amber	30k × G	50 tubes/bag, 10 bags/unit, 500 caps/bag/unit
3465A	0.5 ml Free Standing with Screw Cap & O-Ring, Sterile	Amber	30k × G	50 tubes and attached caps/bag, 10 bags/unit
3422-11	0.5 ml Free Standing Tube only, Nonsterile	Natural	30k × G	50 tubes/bag, 10 bags/unit
3474	1.5 ml Free Standing with Screw Cap & O-Ring, Nonsterile	Natural	18k × G	50 tubes/bag, 10 bags/unit, 500 caps/bag/unit
3467	1.5 ml Free Standing with Screw Cap & O-Ring, Sterile	Natural	18k × G	50 tubes and attached caps/bag, 10 bags/unit
3474A	1.5 ml Free Standing with Screw Cap & O-Ring, Nonsterile	Amber	18k × G	50 tubes/bag, 10 bags unit, 500 caps/bag/unit
3467A	1.5 ml Free Standing with Screw Cap & O-Ring, Sterile	Amber	18k × G	50 tubes and attached caps/bag, 10 bags/unit
3478	1.5 ml Free Standing Tube only, Nonsterile	Natural	18k × G	50 tubes/bag, 10 bags/unit
3488	2.0 ml Free Standing with Screw Cap & O-Ring, Nonsterile	Natural	18k × G	50 tubes/bag, 10 bags/unit, 500 caps/bag/unit
3469-11	2.0 ml Free Standing with Screw Cap & O-Ring, Sterile	Natural	18k × G	50 tubes and attached caps/bag, 10 bags/unit
3488A	2.0 ml Free Standing with Screw Cap & O-Ring, Nonsterile	Amber	18k × G	50 tubes/bag, 10 bags/unit, 500 caps/bag/unit
3469A	2.0 ml Free Standing with Screw Cap & O-Ring, Sterile	Amber	18k × G	50 tubes and attached caps/bag, 10 bags/unit
3490	2.0 ml Free Standing Tube only, Nonsterile	Natural	18k × G	50 tubes/bag, 10 bags/unit

Packaging: 500/unit

Thermo Scientific™ Screw Caps

Our threaded screw caps with O-Rings form a seal to prevent leakage under demanding conditions. These autoclavable screw caps are available in a variety of colors, and adapt to your scientific experiments.

Cat. No.	Description	Color	Packaging	Price/Unit ₹
3471	Screw Cap with O-Ring	Natural	50 caps/bag, 10 bags/unit	2,970

Packaging: 500/unit



Colored Tube Options

Color options are available for the Snap Cap MCTs and the Screw Caps (caps only).

Simply add the color digit to each catalog number for the colored version equivalent (e.g. 3446R = Red).

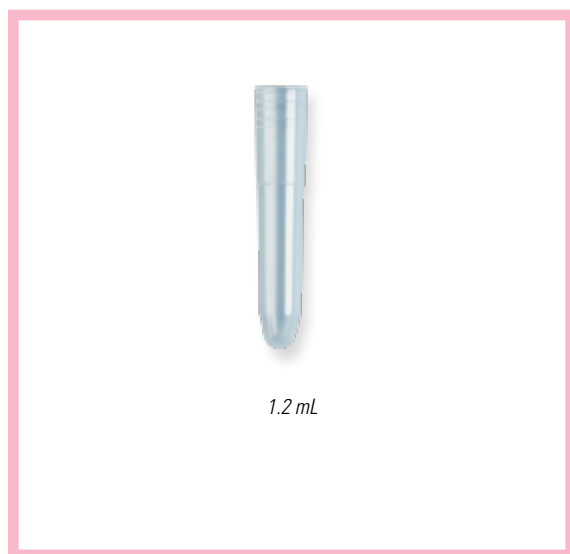
*Screw Caps are not available in violet.

RED = red
BLU = blue
GRE = green
YEL = yellow
ORANGE = Orange
VIOLET = Violet*

Thermo Scientific™ Specialty Tubes



Thermo Scientific™ Specialty Microcentrifuge Tubes Ideal for your small volume protocols, these Specialty Microcentrifuge Tubes offer an attached snap cap to provide a leak-tight seal. The specially formulated low-density polyethylene tube is easily cut for pellet removal.



Thermo Scientific™ Microtiter Tube Racks

With additional volume capacity for sample dilution, these pre-racked tubes are ideal for HTLV-III testing, RIA, EIA, PCR, pharmaceutical quality control and blood bank sample freezer storage.

Cat. No.	Description	Color	Packaging
3487	1.2 ml Microtiter Tube Robotic Rack Sterile	Natural	96 tubes/rack 10 racks/unit
3492	1.2 ml Microtiter Tube Bulk Nonsterile	Natural	1000 tubes/unit
3496	1.2 ml Microtiter Tube Robotic Rack Nonsterile	Natural	96 tubes/tray 10 trays/pack, Nonsterile
3425-11	1.2 ml Microtiter Tube PlugStrip, LDPE non-autoclavable, 8 cap strips Sterile	Natural	10 sealed bags of twelve 8 cap strips/unit
3426-11	1.2 ml Microtiter Tube Plug Strip, LDPE non-autoclavable, 8 cap strips Nonsterile	Natural	10 sealed bags of twelve 8 cap strips/unit

**Made from non-autoclavable LDPE*

Thermo Scientific™ Storage Racks

Thermo Scientific™ Storage Racks with bench space at a premium, we offer a variety of rack solutions to organize your laboratory work space while conducting, transporting and storing your experiments.

Thermo Scientific™ Flipstrip Racks

With 0.5 ml, 1.5 ml and 2.0 ml Microcentrifuge Tubes on one side, this reversible rack is ideal for any researcher utilizing strip tubes for PCR.

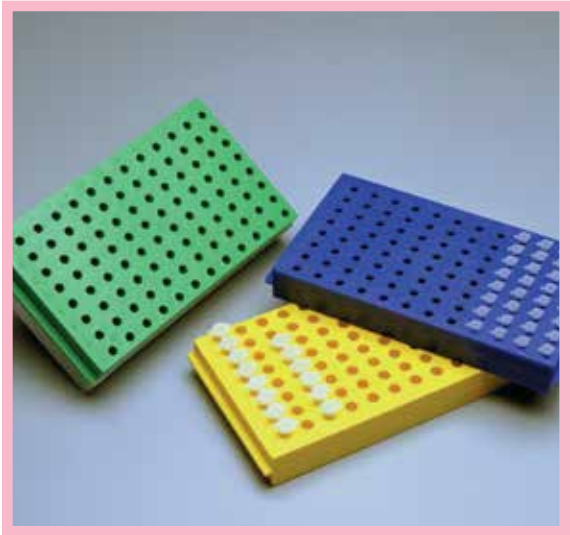
Cat. No.	Description	Color	Packaging
8638	Flipstrip Rack	Blue	1 unit
8658-11	Flipstrip Rack	Yellow	1 unit
8668	Flipstrip Rack	Fluorescent Pink	1 unit
8678	Flipstrip Rack	Fluorescent Orange	1 unit
8688	Flipstrip Rack	Fluorescent Green	1 unit



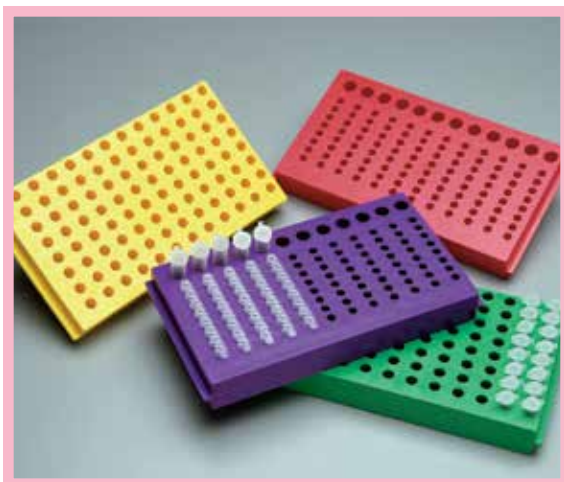
Thermo Scientific™ Reversible Microtube Racks

Keep track of your small volume Microcentrifuge Tubes with the molded alphanumeric grid; assorted colors available for color-coding organization.

Cat. No.	Description	Color	Packaging
8660	Reversible Microtube Rack	Fluorescent Pink	1 rack
8670	Reversible Microtube Rack	Fluorescent Orange	1 rack
8680	Reversible Microtube Rack	Fluorescent Green	1 rack
8690-11	Reversible Microtube Rack	Red	1 rack



Thermo Scientific™ Flipper Racks



Thermo Scientific™ Flipper Racks for use with 0.5 ml or 1.5 ml/2.0 ml Microcentrifuge Tubes—all sides have a frosted writing surface for smear-resistant labeling.

Cat. No.	Description	Unit Packaging	Color
8760	96-Well Flipper Rack w/lid	1	Fluorescent Pink
8770-11	96-Well Flipper Rack w/lid	1	Fluorescent Orange
8780	96-Well Flipper Rack w/lid	1	Fluorescent Green



Thermo Scientific™ Four-Way Flipper Racks

For use with 0.5 ml or 1.5 ml/2.0 ml Microcentrifuge Tubes—all sides have a frosted writing surface for smear-resistant labeling.

Cat. No.	Description	Unit Packaging	Color
8850	4-Way Flipper Rack	1	Fluorescent Green
8860	4-Way Flipper Rack	1	Fluorescent Orange
8870	4-Way Flipper Rack	1	Fluorescent Pink



Thermo Scientific™ Cryogenic Racks with Lid

Thermo Scientific™ 81-Well Cryogenic Storage Racks secure and organize cryogenic storage vials. Easy-to-read alphanumeric labels simplify sample identification.

Details

- Holds 0.5, 1.5 and 2.0 mL cryovials
- Clear rack cover increases visibility
- Available in natural and fluorescent colors
- Alphanumeric grid for easy tube identification
- Stackable and more durable compared to cardboard freezer boxes

Cat. No.	Color	Unit Packaging
8800	Natural	1
8810	Fluorescent Green	1
8820	Fluorescent Orange	1
8830-11	Fluorescent Pink	1

Thermo Scientific™ DNA AWAY™ Surface Decontaminant

Thermo Scientific™ DNA AWAY™ surface decontaminant eliminates unwanted DNA and DNase from glassware and plasticware without affecting subsequent DNA samples. It is ideal for removing DNA contamination from pipettors, PCR tube racks and bench surface prior to PCR set-up.

Details

- Degrades DNA more quickly and effectively than autoclaving
- Suitable for gel boxes, pipettors, benchtops, thermal cyclers and other equipment
- Use before performing PCR for a DNA-free work area
- Simply apply the ready-to-use formula to the surface to decontaminate, then wipe dry or rinse clean with water

Cat. No.	Description
7010	250 mL bottle



Thermo Scientific™ RNase AWAY™ Surface Decontaminant

Thermo Scientific™ RNase AWAY™ formulation and wipes eliminate RNase from laboratory surfaces and prevent degradation of your precious RNA samples.

RNase AWAY decontaminant is ideal for decontaminating equipment and instruments, bench tops, glassware and plasticware. It reduces the dependency on carcinogenic DEPC treatments and saves time needed to bake glassware.

Details

- Use on pipettors, gel boxes or RNA prep areas
- Leaves no residue to interfere with gel polymerization or staining
- Chemically stable and nonabrasive
- Does not contain strong acids
- Apply to surface to decontaminate, then rinse with RNase-free water

Cat. No.	Description
7002	475 mL spray bottle
7003	1 L bottle
7005	4 L bottles
7000	250 mL bottle



LabServ™ Nitrile Gloves



LabServ™ Nitrile Gloves

protect your hands with enhanced LabServ™ Nitrile Powder free gloves!

Features & Benefits

- Conforms to ASTM D6319, manufactured under QSR (GMP), ISO 9001:2008 and ISO13485:2003 (Medical Device) quality management system
- Protection from unwanted and short term exposure to chemical contact
- Beaded cuff ensures easy donning and prevent roll down
- Superior strength with better puncture resistance
- Palm texture enhances wet and dry grip
- Thinner gauge improves tactile sensitivity
- Custom design enhances comfort and fit
- Ambidexterous
- Easy donning
- With CE marked

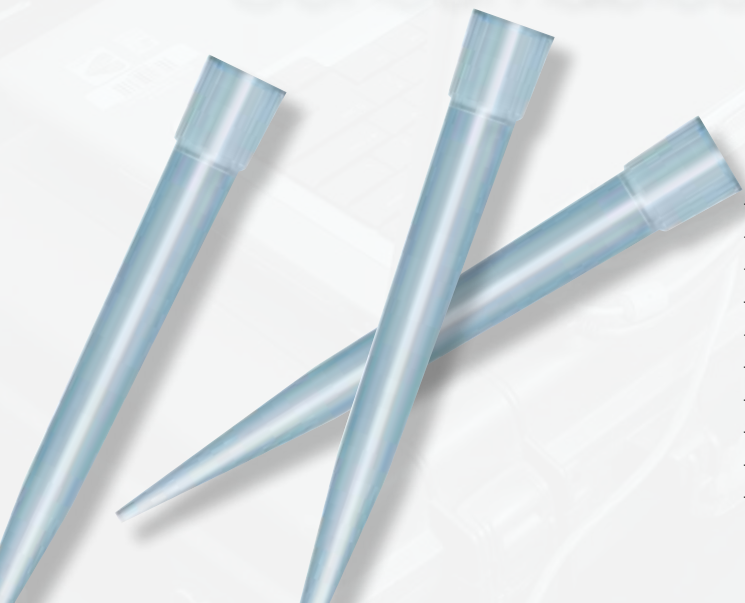
Best Suited For

- Medical Personnel
- Lab Technicians
- Automotive Workers
- Food Handlers
- Product Inspectors





Automated Liquid Handling Consumables



Thermo Scientific™ Matrix™ D.A.R.T.s™ Tips	96
Thermo Scientific™ PocketTip D.A.R.T.s™ Automation Tips	98
Thermo Scientific™ Matrix™ Disposable Automation Reservoirs	99
Thermo Scientific™ BioRobotix ART™ Filter Tips for Automated Workstations	100
Thermo Scientific™ BioRobotix Pipet Tips, Standard, Black	102
Thermo Scientific™ BioRobotix Pipette Tips: Standard, Natural, Nonsterile	103
Thermo Scientific™ epMotion style Automation Pipette Tips	105
Thermo Scientific™ Multidrop Combi nL Reagent Dispenser	107
Thermo Scientific™ Multidrop Pico™ 1 and 8 Digital Dispenser	108
Thermo Scientific™ Multidrop Combi reagent dispenser	109

Thermo Scientific™ Matrix™ D.A.R.T.s™ Tips



Matrix D.A.R.T.s (Disposable Automation Research Tips) have been designed to provide the ultimate performance in automated pipetting.

Unlike conventional automation tips, Matrix D.A.R.T.s tips are provided in disposable, rigid magazines that bond onto the pipetting heads by sealing against a silicone pad. This forms a definitive seal that minimizes tip-to-tip height variations and eliminates static interactions, delivering consistent dispensing into the bottom of microplate wells.

By creating an extremely consistent seal, Matrix D.A.R.T.s tips offer unmatched consistency when aspirating and dispensing into the bottom of microplate wells.

Details

- Compatible with the Versette, Hydra DT, PlateMate 2x3 and PlateMate Plus Automated Pipetting Systems
- Stepped-body design minimizes volume displacement and provides tip straightness for better well access
- Highly polished molds and cores ensure low liquid retention
- Small internal tip orifice provides better small volume droplet formation, resulting in optimal accuracy and precision
- Sterile, sterile filtered, wide-bore and extended-length tip options available, offering the flexibility to choose tips for any application
- Thorough inspection for proper formation as well as straightness eliminates defects
- Unique face seal design provides consistent tip-to-tip height for precise low volume dispensing
- Entire assembly can be quickly removed and replaced, eliminating extra handling of the tips that can cause damage or contamination

Includes: 20 magazines per case

Cat. No.	Description	Volume [Tip]	Sterile	Packaging
5586	96 Tips	30 µL	No	96 Tips/Rack, 20 Racks/Case
5587	96 Tips	30 µL	Yes	96 Tips/Rack, 20 Racks/Case
5506-11	96 Tips, Extended Length	30 µL	No	96 Tips/Rack, 20 Racks/Case
5507	96 Tips, Extended Length	30 µL	Yes	96 Tips/Rack, 20 Racks/Case
5526	96 Tips	100 µL	No	96 Tips/Rack, 20 Racks/Case
5527	96 Tips	100 µL	Yes	96 Tips/Rack, 20 Racks/Case
5516-11	96 Tips	300 µL	No	96 Tips/Rack, 20 Racks/Case
5517-11	96 Tips	300 µL	Yes	96 Tips/Rack, 20 Racks/Case
5546	96 Tips, Extended Length, Wide Bore	300 µL	No	96 Tips/Rack, 20 Racks/Case
5547	96 Tips, Extended Length, Wide Bore	300 µL	Yes	96 Tips/Rack, 20 Racks/Case
5536	96 Tips, Extended Length	300 µL	No	96 Tips/Rack, 20 Racks/Case
5537	96 Tips, Extended Length	300 µL	Yes	96 Tips/Rack, 20 Racks/Case
5301	384 Tips	12.5 µL	No	384 Tips/Rack, 10 Racks/Case
5302	384 Tips	12.5 µL	Yes	384 Tips/Rack, 10 Racks/Case
5416	384 Tips, Extended Length	30 µL	No	384 Tips/Rack, 20 Racks/Case
5417	384 Tips, Extended Length	30 µL	Yes	384 Tips/Rack, 20 Racks/Case
5316	384 Tips	30 µL	No	384 Tips/Rack, 20 Racks/Case
5317	384 Tips	30 µL	Yes	384 Tips/Rack, 20 Racks/Case
5326	384 Tips	100 µL	No	384 Tips/Rack, 20 Racks/Case
5327	384 Tips	100 µL	Yes	384 Tips/Rack, 20 Racks/Case
5321	384 Tips	100 µL	No	384 Tips/Rack, 10 Racks/Case
5322	384 Tips	100 µL	Yes	384 Tips/Rack, 10 Racks/Case

Matrix Filtered D.A.R.T.s (Disposable Automation Research Tips)

feature a stepped body design that minimizes volume displacement and provides better well access.

Unlike conventional automation tips, our Matrix filtered D.A.R.T.s tips are provided in disposable rigid magazines and bond onto the pipetting heads by being squeezed against a silicone pad. This forms a definitive seal that minimizes tip-to-tip height variations, delivering consistent dispensing into the bottom of microplate wells.

Details

- Compatible with Versette, Hydra DT, PlateMate 2x3, and PlateMate Plus systems
- Stepped body design minimizes volume displacement and ensures tip straightness for better well access
- Small internal tip orifice provides better small-volume droplet formation, resulting in optimal accuracy and precision
- Filter, wide-bore, and extended-length tip options available; offers the flexibility to choose tips for any application
- 100% inspection ensures the tips are free of defects; inspected for proper formation as well as straightness
- Unique face seal design provides consistent tip-to-tip height for precise low volume dispensing
- Disposable magazine eliminates the need to flip tips out of a traditional box and into a metal carrier
- Entire assembly can be quickly removed and replaced; eliminates extra handling of the tips that can cause damage or contamination



Cat. No.	Description	Volume [Tip]	Sterile	Packaging
5508	96 Tips, Extended Length	30 µL	Yes	96 Tips/Rack, 20 Racks/Case
5588	96 Tips	30 µL	Yes	96 Tips/Rack, 20 Racks/Case
5526	96 Tips	100 µL	Yes	96 Tips/Rack, 20 Racks/Case
5518-11	96 Tips	300 µL	Yes	96 Tips/Rack, 20 Racks/Case
5538	96 Tips, Extended Length	300 µL	Yes	96 Tips/Rack, 20 Racks/Case
5548	96 Tips, Extended Length, Wide Bore	300 µL	Yes	96 Tips/Rack, 20 Racks/Case
5318	384 Tips	30 µL	Yes	384 Tips/Rack, 20 Racks/Case
5418	384 Tips, Extended Length	30 µL	Yes	384 Tips/Rack, 20 Racks/Case
5328	384 Tips	100 µL	Yes	384 Tips/Rack, 20 Racks/Case

Thermo Scientific™ PocketTip D.A.R.T.s™ Automation Tips



PocketTip D.A.R.T.s (Disposable Automation Research Tips)

offer low-volume transfer capability with existing Thermo Scientific automated liquid handling equipment, ideal for compound screening procedures.

PocketTip D.A.R.T.s enable the transfer between 50-250 nL of sample volume using Versette, PlateMate and Hydra DT liquid handling instruments. These low-volume transfers reduce the cost of reagents, labware and sample preparation while improving data quality by eliminating intermediate pipetting steps and providing soft in-tip mixing.

Details

- Available in 96- and 384- channel format with 50, 100 and 250 nL pocket sizes
- Sterile format is available for sensitive liquid handling procedures or operations that require sterility
- Enables existing Thermo Scientific automated liquid handlers to accommodate low-volume dispensing for compound screening procedures
- Requires only minor procedural adjustments to Versette, PlateMate and Hydra DT instrumentation
- By transferring nanoliter volumes directly to assay plates, timely aqueous dilution steps that can cause precipitation and result in unreliable data are eliminated
- Sample and assay materials are gently combined with soft in-tip mixing, removing the need for offline procedures and improving data quality with thorough mixing that will not damage sensitive material
- Consistent accuracy and precision are tightly controlled during the molding process
- Purity and straightness validation is also performed on compatible instrumentation to ensure only the highest quality
- With instrument compatibility range starting from the Versette, Hydra DT on-the-fly dose response curves or assay development can be set up with simple Hydra DT programming
- Higher throughput needs can be met with the Versette, PlateMate 2x3 and CatalySt Express, or PlateMate Plus instruments
- Automation sales specialists are available to assist with instrument programming and modifications, as well as with instrument validation regarding any Thermo Scientific automated liquid handler

Cat. No.	Volume [Tip]	Sterile	Packaging
5696-100	100 nL	No	Racks, 20 × 96
5696-250	250 nL	No	Racks, 20 × 96
5696-50	50 nL	No	Racks, 20 × 96
5697-100	100 nL	Yes	Racks, 20 × 96
5697-250	250 nL	Yes	Racks, 20 × 96
5697-50	50 nL	Yes	Racks, 20 × 96
5756-100	100 nL	No	Racks, 20 × 384
5756-250	250 nL	No	Racks, 20 × 384
5756-50	50 nL	No	Racks, 20 × 384
5757-100	100 nL	Yes	Racks, 20 × 384
5757-250	250 nL	Yes	Racks, 20 × 384
5757-50	50 nL	Yes	Racks, 20 × 384

Thermo Scientific™ Matrix™ Disposable Automation Reservoirs

Matrix Disposable Automation Reservoirs feature the same shape and dimensions as standard microplates, and are designed to reduce reagent waste.

Now you have the flexibility to handle reagents on virtually any automated liquid handler. Hydrophilic surface treatment results in a lessened meniscus, allowing the liquid to spread out evenly along the reservoir bottom. The result: Less liquid is needed to cover the bottom and allows access to the liquid by all pipette tips.

With the same dimensions as standard microplates, these disposable reservoirs can be used in plate handlers or stackers. The removable splash baffles prevent reagents from splashing out when being moved on robotic decks. They are compatible with virtually any automated liquid handler.

Details

- Economical and disposable, they eliminate the risk of cross-contamination and the inconvenience of washing and autoclaving
- Standard microplate dimensions; can be used in plate handlers or stackers
- Built-in grooves in reservoir bottom reduce reagent waste and allow consistent aspiration of minimal amounts of reagent
- Hydrophilic surface allows the liquid to spread out evenly, so minimal reagent is needed to cover reservoir bottom
- Polypropylene construction offers excellent chemical resistance
- Individually wrapped reservoirs stay sterile until ready for use; no need to autoclave
- Built-in pour spout allows easy emptying of reagents

Removable Splash Baffles

- Prevent reagents from splashing out when being moved on robotic decks
- Enables reservoirs to be moved faster, and to be filled closer to the top with reagent
- Baffles can be removed to increase reservoir's capacity



Cat. No.	Description	Packaging
1064-05-8	96-Channel Reservoir, Non Sterile	20 Reservoirs/Case
1064-15-8	96-Channel Reservoir, Sterile, Individually Wrapped	20 Reservoirs/Case
1064-05-6	96-Channel Deep Well Reservoir, Non Sterile	20 Reservoirs/Case
1064-15-6	96-Channel Deep Well Reservoir, Sterile, Individually Wrapped	20 Reservoirs/Case
1064-05-7	384-Channel Reservoir, Non Sterile	20 Reservoirs/Case
1064-15-7	384-Channel Reservoir, Sterile, Individually Wrapped	20 Reservoirs/Case

Thermo Scientific™ BioRobotix ART™ Filter Tips for Automated Workstations



Thermo Scientific BioRobotix ART Filter Tips include a filter that prevents contaminating liquids and aerosols from being drawn into your workstation.

These sterile tips prevent contaminating liquids and aerosols from being drawn into your workstation, helping to maintain integrity of samples and reducing the risk of cross-contamination.

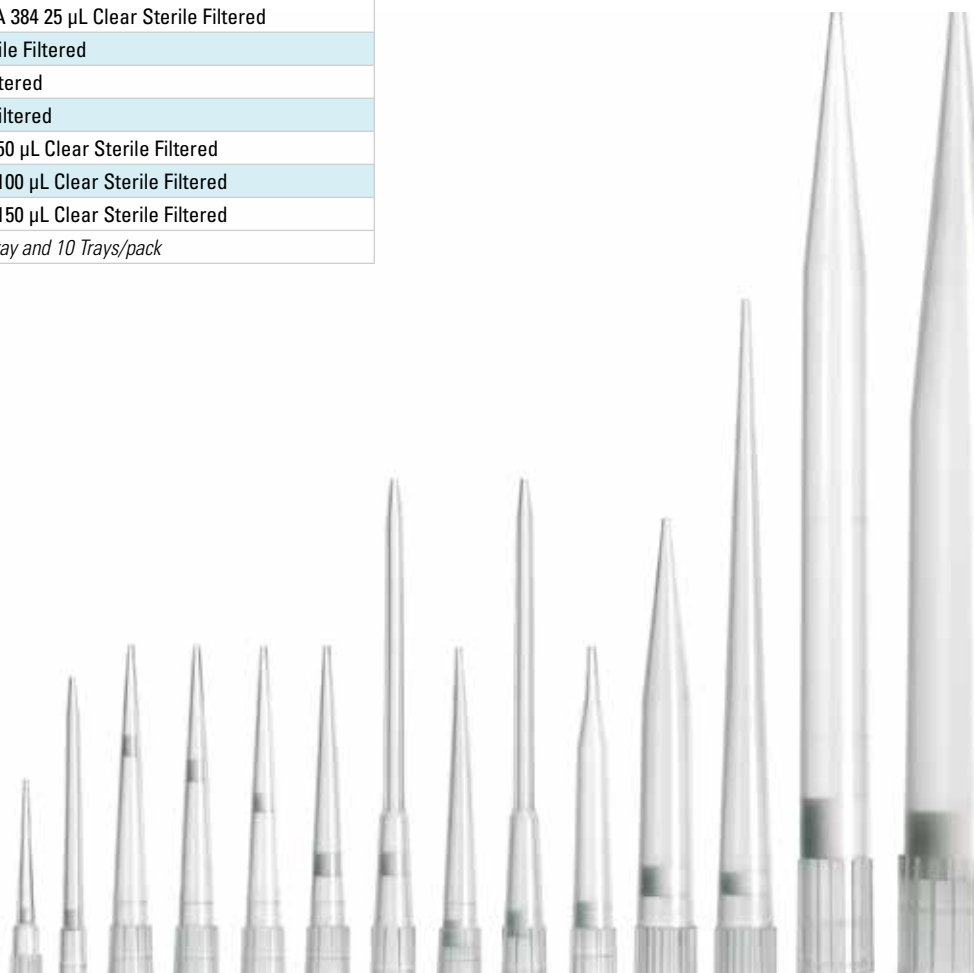
Designed for maximum accuracy and repeatability, BioRobotix ART filter pipette tips are available in two colors: Natural (clear) and black (liquid sensing). Constructed of premium-grade virgin polypropylene, all tips are rigorously tested on the workstations for which they were designed.

Details

- Compatible with a wide range of automated workstations
- Designed for maximum accuracy and repeatability
- Available in two colors: Natural (clear) and black (liquid sensing)
- Constructed of premium-grade, virgin polypropylene
- Tips are rigorously tested on the workstations for which they were designed

Cat. No.	Description – Validated Workstations
Black	
901-011	Tecan 10 µL Conductive Sterile Filtered
902-011	Tecan 50 µL Conductive Sterile Filtered
903-011	Tecan 175 µL Conductive Sterile Filtered
903-011G	Tecan 175 µL Conductive Sterile Filtered Wide Bore
903-033	Tecan 175 µL Conductive Filtered Econopack
904-011	Tecan 1000 µL Conductive Sterile Filtered
904-011G	Tecan 1000 µL Conductive Sterile Filtered Wide Bore
904-013	Tecan 1000 µL Conductive Sterile Filtered Econo Pack
918-011	Beckman Biomek FX SPAN-8 20 µL Conductive Sterile Filtered
919-011	Beckman Biomek FX SPAN-8 130 µL Conductive Sterile Filtered
951-011	Qiagen 250 µL Conductive Sterile Filtered
953-011	Qiagen 1100 µL Conductive Sterile Filtered
<i>Packaging: 96 Tips/tray, 10 Trays/pack</i>	

Cat. No.	Description – Validated Workstations
Natural	
901-021	Tecan 10 µL Clear Sterile Filtered
902-021	Tecan 50 µL Clear Sterile Filtered
903-021	Tecan 175 µL Clear Sterile Filtered
904-021	Tecan 1000 µL Clear Sterile Filtered
906-021	Tecan Te-MO 50 µL Clear Sterile Filtered
907-021	Tecan Te-MO 100 µL Clear Sterile Filtered
908-021	Tecan Te-MO 150 µL Clear Sterile Filtered
912-021	Beckman Biomek FX 10 µL Clear Sterile Filtered
915-021	Beckman Biomek 20 µL Clear Sterile Filtered
916-021	Beckman FX Extended Length 40 µL Clear Sterile Filtered
917-021	Beckman Biomek 130 µL Clear Sterile Filtered
918-021	Beckman Biomek FX 20 µL Clear Sterile Filtered
918-021-05	Beckman Biomek FX SPAN-8 20 µL Clear Sterile Filtered Low Retention
919-021	Beckman Biomek FX 130 µL Clear Sterile Filtered
919-021-05	Beckman Biomek FX 130 µL Clear Sterile Filtered Low Retention
919-021G	Beckman Biomek FX 130 µL Clear Sterile Filtered Wide Bore
920-021	Caliper Zymark 50 µL Clear Sterile Filtered
921-021	Caliper Zymark 80 µL Clear Sterile Filtered
923-021	Caliper Zymark 100 µL Clear Sterile Filtered
925-021	PerkinElmer Plate Trak 20 µL Clear Sterile Filtered
927-021	PerkinElmer Plate Trak 50 µL Clear Sterile Filtered
929-021	PerkinElmer Plate Trak 235 µL Clear Sterile Filtered
931-021	PerkinElmer CCS/FLIPR Type A 384 25 µL Clear Sterile Filtered
935-021	Beckman 384 25 µL Clear Sterile Filtered
951-021	Qiagen 250 µL Clear Sterile Filtered
953-021	Qiagen 1100 µL Clear Sterile Filtered
984-021	Biotek Precision SBS Format 50 µL Clear Sterile Filtered
985-021	Biotek Precision SBS Format 100 µL Clear Sterile Filtered
986-021	Biotek Precision SBS Format 150 µL Clear Sterile Filtered
<i>Packaging: 96 Tips/tray, 10 Trays/pack; 384 Tips/tray and 10 Trays/pack</i>	



Thermo Scientific™ BioRobotix Pipet Tips, Standard, Black



Thermo Scientific BioRobotix standard black pipette tips are constructed of high quality carbon-impregnated polypropylene for liquid sensing.

Designed for maximum accuracy, repeatability and the ability to detect liquids, BioRobotix black polypropylene tips are compatible with a variety of liquid sensing automated workstations. Constructed of premium-grade virgin polypropylene with embedded carbon, all tips are rigorously tested on the systems for which they were designed.

Details

- Compatible with a wide range of liquid-sensing automated workstations from multiple vendors
- Black (liquid-sensing) tips are designed for maximum accuracy, repeatability and liquid-sensing capability
- Constructed of premium-grade, carbon-embedded virgin polypropylene
- Tips are rigorously tested on the systems for which they were designed

Cat. No.	Description – Validated Workstations
901-251	Tecan 20 µL Conductive Sterile
901-252	Tecan 20 µL Conductive Non Sterile
901-253	Tecan 20 µL Conductive Econo Pack
902-251	Tecan 50 µL Conductive Sterile
902-252	Tecan 50 µL Conductive Non Sterile
902-253	Tecan 50 µL Conductive Econo Pack
903-033	Tecan 175 µL Conductive Filtered Econopack
903-251	Tecan 200 µL Conductive Sterile
903-251G	Tecan 200 µL Conductive Sterile Wide Bore
903-252	Tecan 200 µL Conductive Non Sterile
903-252G	Tecan 200 µL Conductive Wide Bore Non Sterile
903-253	Tecan 200 µL Conductive Non Sterile Econo Pack
904-251	Tecan 1000 µL Conductive Sterile
904-251G	Tecan 1000 µL Conductive Sterile Wide Bore
904-252	Tecan 1000 µL Conductive Non Sterile
904-252G	Tecan 1000 µL Conductive Wide Bore
904-253	Tecan 1000 µL Conductive Econo Pack
918-251	Beckman Biomek FX SPAN-8 20 µL Conductive Sterile
918-252	Beckman Biomek FX SPAN-8 20 µL Conductive Non Sterile
919-251	Beckman Biomek FX SPAN-8 250 µL Conductive Sterile
919-252	Beckman FX SPAN-8 250 µL Conductive Non Sterile
951-251	Qiagen 300 µL Conductive Sterile
951-252	Qiagen 300 µL Conductive Non Sterile
951-253	Qiagen 300 µL Conductive Econo Pack
953-251	Qiagen 1100 µL Conductive Sterile
953-252	Qiagen 1100 µL Conductive Non Sterile
953-253	Qiagen 1100 µL Conductive Econo Pack

Packaging: 96 Tips/tray, 10 Trays/pack

Thermo Scientific™ BioRobotix Pipette Tips: Standard, Natural, Nonsterile

Thermo Scientific BioRobotix clear polypropylene pipette tips are designed for maximum accuracy and repeatability.

Designed for maximum accuracy and repeatability, BioRobotix pipette tips are compatible with a variety of automated workstations from multiple vendors. Constructed of premium-grade virgin polypropylene, all tips are rigorously tested on the systems for which they were designed.

Cat. No.	Description – Validated Workstations
901-261	Tecan 20 µL Clear Sterile
901-262	Tecan 20 µL Clear Non Sterile
902-261	Tecan 50 µL Clear Sterile
902-261XP	Tecan 50 µL Clear Sterile PATCH XPRESS
902-262	Tecan 50 µL Clear Non Sterile
902-262XP	Tecan 50 µL Clear PATCH XPRESS
903-261	Tecan 200 µL Clear Sterile
903-262	Tecan 200 µL Clear Non Sterile
904-261	Tecan 1000 µL Clear Sterile
904-262	Tecan 1000 µL Clear Non Sterile
906-261	Tecan Te-MO 50 µL Clear Sterile
906-262	Tecan Te-MO 50 µL Clear Non Sterile
907-261	Tecan Te-MO 100 µL Clear Sterile
907-262	Tecan Te-MO 100 µL Clear
908-261	Tecan Te-MO 200 µL Clear Sterile
908-262	Tecan Te-MO 200 µL Clear Non Sterile
912-261	Beckman Biomek FX 10 µL Clear Sterile
912-262	Beckman Biomek FX 10 µL Clear Non Sterile
915-261	Beckman Biomek 20 µL Clear Sterile
915-262	Beckman Biomek 20 µL Clear Non Sterile
916-261	Beckman FX Extended Length 50 µL Clear Sterile
916-262	Beckman FX Extended Length 50 µL Clear Non Sterile
916-262-05	Beckman FX Extended Length 50 µL Clear Low Retention
917-261	Beckman Biomek 250 µL Clear Sterile
917-262	Beckman Biomek 250 µL Clear Non Sterile
918-261	Beckman Multimek 20 µL Clear Sterile
918-261-05	Beckman Biomek FX SPAN-8 20 µL Clear Sterile Low Retention
918-262	Beckman Multimek 20 µL Clear Non Sterile
918-262-05	Beckman Biomek FX SPAN-8 20 µL Clear Low Retention
919-261	Beckman Biomek 250 µL Clear Sterile
919-261-05	Beckman Biomek FX 250 µL Clear Sterile Low Retention
919-261G	Beckman Biomek FX 250 µL Clear Sterile Wide Bore
919-262	Beckman Multimek 250 µL Clear Non Sterile
919-262-05	Beckman Biomek FX 250 µL Clear Low Retention
919-262G	Beckman Biomek FX 250 µL Clear Wide Bore
920-261	Zymark 50 µL Clear Sterile
920-262	Zymark 50 µL Clear Non Sterile
Packaging: 96 Tips/tray, 10 Trays/pack	



Details

- Compatible with a wide range of automated workstations
- Constructed of premium-grade virgin polypropylene
- Tips are rigorously tested on the systems for which they were designed
- Packaged in trays

*Molecular BioProducts BioRobotix Pipette Tips
>> continued on next page*

Thermo Scientific™ BioRobotix Pipette Tips: Standard, Natural, Nonsterile

continued



Cat. No.	Description – Validated Workstations
921-261	Zymark 100 µL Clear Sterile
921-262	Zymark 100 µL Clear Non-Sterile
923-261	Zymark 200 µL Clear Sterile
923-262	Zymark 200 µL Clear Non Sterile
925-261	Perkin-Elmer Plate Trak 20 µL Clear Sterile
925-262	Perkin-Elmer Plate Trak 20 µL Clear
927-261	Perkin-Elmer Plate Trak 50 µL Clear Sterile
927-261-05	Perkin-Elmer Plate Trak 50 µL Clear Sterile
927-262	Perkin-Elmer Plate Trak 5 µL Clear
929-261	Perkin-Elmer Plate Trak 235 µL Clear Sterile
929-262	Perkin-Elmer Plate Trak 235 µL Clear
931-261	CCS/FLIPR Type A 384 30 µL Clear Sterile
931-262	CCS/FLIPR Type A 384 30 µL Clear Non Sterile
935-261	Beckman 384 30 µL Clear Sterile
935-262	Beckman 384 30 µL Clear Non Sterile
937-261	FLIPR Liberty Type B 384 30 µL Clear Sterile
937-262	FLIPR Liberty Type B 384 30 µL Clear Non Sterile
951-261	Qiagen 300 µL Clear Sterile
951-262	Qiagen 300 µL Clear Non Sterile
953-261	Qiagen 1100 µL Clear Sterile
953-262	Qiagen 1100 µL Clear Non Sterile
984-261	Biotech Precision SBS Format 50 µL Clear Sterile
984-262	Biotech Precision SBS Format 50 µL Clear
985-261	Biotech Precision SBS Format 100 µL Clear Sterile
985-262	Biotech Precision SBS Format 100 µL Clear
986-261	Biotech Precision SBS Format 200 µL Clear Sterile
986-262	Biotech Precision SBS Format 200 µL Clear
Packaging: 96 Tips/tray, 10 Trays/pack; 384 Tips/tray, 10 Trays/pack	

Thermo Scientific™ epMotion style Automation Pipette Tips

Thermo Scientific Automation Pipette Tips made to fit the Eppendorf epMotion automated pipetting system.

Thermo Scientific™ Automation Pipette Tips specifically designed for the Eppendorf® epMotion® automated pipetting system are validated and tested on an actual epMotion workstation and offer the same quality and performance for trouble-free pipetting.

Each pipette tip undergoes a rigorous 15-point quality control program to ensure consistency thus providing accurate and precise performance achieved by superior tip straightness and a low coefficient of variation. Sterile tips are certified free of RNase, DNase, DNA, endotoxin, bioburden and pyrogen.



Details

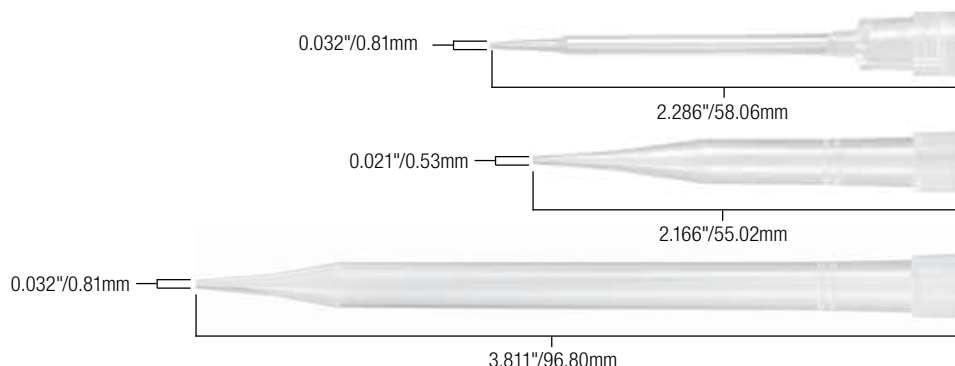
- Accurate and precise performance
- Low percentage Coefficient of Variation (%CV)
- Validated on the actual instrument for which the tip is created
- Available in three sizes and non-sterile, sterile or sterile filtered

Technical Data Comparison*			
Percent Coefficient of Variation			
Tip Size	Dispense Volume	Eppendorf	Thermo Scientific
50 µl	50 µl	0.5%	0.5%
300 µl	200 µl	0.5%	0.5%
1000 µl	200 µl	0.5%	0.5%

* Performed on the Artel Multichannel Verification System (MVS®).
For comparison only. Individual results may vary.



Thermo Scientific™ epMotion style Automation Pipette Tips continued



Accessories

Thermo Scientific Automation Reservoirs Designed for simple, economical handling of reagents on automated liquid handling platforms, Thermo Scientific automation reservoirs provide standard SBS dimensions which ensures compatibility with plate stackers and handlers.

Cat. No.	Minor Code	"Qty/Unit (PK)"	Description	Packaging
965-021	epMotion Style	960	50µl clear tip, sterile, filtered	96 Tips/Rack, 10 Racks/Pack
965-261	epMotion Style	960	50µl clear tip, sterile	96 Tips/Rack, 10 Racks/Pack
965-262	epMotion Style	960	50µl clear tip, non sterile	96 Tips/Rack, 10 Racks/Pack
966-021	epMotion Style	960	300µl clear tip, sterile, filtered	96 Tips/Rack, 10 Racks/Pack
966-261	epMotion Style	960	300µl clear tip, sterile	96 Tips/Rack, 10 Racks/Pack
966-262	epMotion Style	960	300µl clear tip, non sterile	96 Tips/Rack, 10 Racks/Pack
967-021	epMotion Style	960	1000µl clear tip, sterile, filtered	96 Tips/Rack, 10 Racks/Pack
967-261	epMotion Style	960	1000µl clear tip, sterile	96 Tips/Rack, 10 Racks/Pack
967-262	epMotion Style	960	1000µl clear tip, non sterile	96 Tips/Rack, 10 Racks/Pack

Automation Reservoirs

Cat. No.	Description	Packaging
1064-05-8	96-Channel Reservoir, Non Sterile	20 Reservoirs/Case
1064-15-8	96-Channel Reservoir, Sterile, Individually Wrapped	20 Reservoirs/Case
1064-05-6	96-Channel Deep Well Reservoir, Non Sterile	20 Reservoirs/Case
1064-15-6	96-Channel Deep Well Reservoir, Sterile, Individually Wrapped	20 Reservoirs/Case
1064-05-7	384-Channel Reservoir, Non Sterile	20 Reservoirs/Case
1064-15-7	384-Channel Reservoir, Sterile, Individually Wrapped	20 Reservoirs/Case

Thermo Scientific™ Multidrop Combi nL Reagent Dispenser

Thermo Scientific Multidrop Combi nL, the latest arrival in the Multidrop bulk reagent dispenser family brings unrivalled reliability and ease of use, meeting needs of low-volume reagent dispensing in pharmaceutical and biotechnology laboratories. The Multidrop Combi nL dispenser can dispense volumes from 50 nL to 50 µL into 96, 384 and 1536-well plates with excellent precision and accuracy.

Thermo Scientific Multidrop Combi nL reagent dispenser offers you:

- 50 µL range, giving high-quality assay data Reliable low-volume dispensing – precise dispensing over a 50 nL
- Increased flexibility – dispensing repeatably into plates with a variable height, allowing the user to fill either rows, columns or wells with the easy-to-use FILLit™ PC software
- Effortless dispensing – the visual, icon-based on-board user interface makes all functions easy to set up, use and maintain
- Reduced reagent cost – low-volume dispensing, a minimal dead volume, and the backflush function minimize the use of expensive reagents
- High throughput – the fast dispensing, combined with full robotic compatibility, ensures increased assay throughput for laboratories needing low-volume assay formats



Technical Specifications

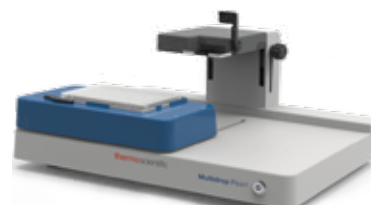
Plate types	96-, 384- and 1536-well plates		
Dispensing volume range	50 nL - 50 µL		
Dispensing precision	50 nL: CV≤10% 1-10 µL: CV≤4%	0.5 µL: CV≤5% >10 µL: CV≤2%	
Dispensing accuracy	<1 µL: ±5% >1 µL: ±2%		
Dispensing speed	384-well plate: 50 nL in 6 seconds 1536-well plate: 50 nL in 21 seconds	1 µL in 8 seconds 1 µL in 27 seconds	
Dispensing increments	1 nL increments 50-999 nL 10 nL increments 1.00-9.99 µL 100 nL increments 10.0-50.0 µL FILLit Software 1 nL increments		
Dead volume	<1.2 mL *		
Interface	Serial RS-232, USB		
Dimensions (HxWxD)	220(H) x 355(W) x 375(D) mm	8.6(H) x 14(W) x 14.8 (D) in.	
Weight	9.6 kg (21.2 lbs.)		

Cat. No.	Description
5840400	Multidrop Combi nL, 100-240 V 50/60 Hz (PC-software included)
5188020	FILLit Software for Multidrop Combi nL

Thermo Scientific™ Multidrop Pico™ 1 and 8 Digital Dispenser



Thermo Scientific™ Multidrop™ Pico 1 and 8 Digital Dispensers offer enhanced dispensing precision with volumes between 11pL to 10uL in any well, eliminating the need for manual dilution while providing significant cost and waste reductions. Designed to enable assay miniaturization, boost productivity and improve accuracy of results makes them ideal for a broad array of low-volume applications such as qPCR, dose response curves, drug screening assays and ELISA.



	Pico 8 Dispenser	Pico 1 Dispenser
Plate types	12, 24, 48, 96, 384, 1536 well plate Plate height: 6-47 mm	12, 24, 48, 96, 384 well plate Plate height: 6-47 mm
Number of dispensing wells	4- and 8- well dispensing heads	1-well dispensing head
Compatible dispensing heads	8-well dispensing head at 20µL and 4-well dispensing head at 200µL	1-well dispensing head up to 20µL and 1-well dispensing head up to 200µL
Number of fluids supported	"Hold up to 8 different fluids in different wells at a time"	One fluid at a time
Dispensing volume range	11 pL - 20 µL (8-well dispensing head, 1 nL -200 µL (4-well dispensing head)	11 pL - 20 µL or 1 nL - 200 µL
Dispensing volume increments	As low as 11 pL	As low as 11 pL
Precision CV	≤ 8%	≤ 8%
Dispense speed	11 pL - 10 µL in seconds	11 pL - 10 µL in seconds
Overall dimensions	47 cm x 38 cm x 23 cm	31 cm x 28 cm x 20 cm
Weight	14.1 kg	5.9 kg
Software compatability	Used with PicoIT 8	Used with PicoIT 1
Automation capability	Yes, Pico 8 4-well and 8-well dispensing heads can be robot gripped and zero force inserted	No, Pico 1 requires manual loading of dispensing heads and plates
Fluid compatability	70% - 100% DMSO or aqueous solutions* with: <ul style="list-style-type: none"> • Biomolecules up to 300 kDa or 10,000 basepairs and up to 3 mg/mL • Small molecules < 800 Da up to 10 nM • Nanoparticles < 1 micron in diameter in suspension at concentrations < 0.5% 	70% - 100% DMSO or aqueous solutions* with: <ul style="list-style-type: none"> • Biomolecules up to 300 kDa or 10,000 basepairs and up to 3 mg/mL • Small molecules < 800 Da up to 10 nM • Nanoparticles < 1 micron in diameter in suspension at concentrations < 0.5%

Cat. No.	Description	Qty
5840500	Multidrop Pico 1 Digital Dispenser	1 Each
5840600	Multidrop Pico 8 Digital Dispenser	1 Each
LTR0001	1-ch 20µl Dispensing Heads for Pico 1 Digital Dispenser	30PK/CS
LTR0002	1-ch 200µl Dispensing Heads for Pico 1 Digital Dispenser	30PK/CS
LTR0003	4-ch 200µl Dispensing Heads for Pico 8 Digital Dispenser	20PK/CS
LTR0004	8-ch 20µl Dispensing Heads for Pico 8 Digital Dispenser	20PK/CS

Thermo Scientific™ Multidrop Combi reagent dispenser

The Thermo Scientific™ Multidrop™ Combi reagent dispenser

offers unrivalled levels of performance, versatility and simplicity for biotech, pharmaceutical, and QC laboratories. For high-throughput screening, the Multidrop Combi dispenser dispenses into 1536-well plates at nanoliter levels with minimal dead volume. At the other end of the scale, being able to dispense at volumes up to 2500 µl offers biotech researchers a wider range of applications. Add full robotic capability, and the Multidrop Combi dispenser is your answer for effortless, high-throughput bulk dispensing.



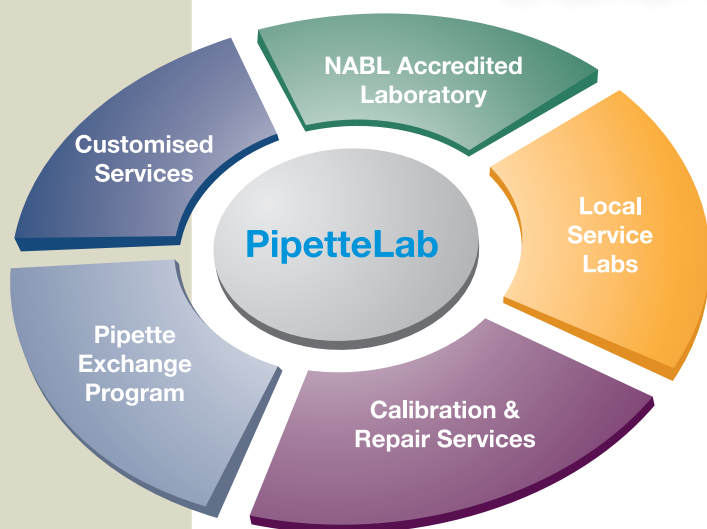
Technical Specifications

Plate types	6-, 12-, 24-, 48-, 96-, 384-, 1536-well plates (plate height 5–50 mm)	
Dispensing volume range	0.5–2500 µl	
Dispensing precision (CV%)	Small tube dispensing cassette: 0.5 µl: CV ≤ 10% 2 µl: CV ≤ 5% 10 µl: CV ≤ 3% >10 µl: CV ≤ 3%	Standard tube dispensing cassette: 5 µl: CV ≤ 10% 20 µl: CV ≤ 1.5% 100 µl: CV ≤ 1% >100 µl: CV ≤ 1%
Dispensing accuracy	Small tube dispensing cassette: 2 µl: ± 10% (typical) 10 µl: ± 5% (typical), > 10 µl: ± 5% (typical)	Standard tube dispensing cassette: 5 µl: ± 3% (typical) 20 µl: ± 2% (typical) 100 µl: ± 1% (typical) > 100 µl: ± 1% (typical)
Dispensing speed	96-well plate: 10 µl in 3 seconds, 20 µl in 4 seconds, 100 µl in 10 seconds. 384-well plate: 1 µl in 5 seconds, 5 µl in 5 seconds, 10 µl in 6 seconds, 20 µl in 9 seconds 1536-well plate: 1 µl in 14 seconds, 5 µl in 26 seconds	
Dispensing increments	Small tube dispensing cassette: 0.5 µl increments Stand tube dispensing cassette: 5 µl increments	
Dead volume	< 1 ml volume range 0.5–50 µl < 7 ml volume range > 50 µl	
Interface	Serial RS-232, USB	
Overall dimensions	220(H) x 355(W) x 330(D) mm 8.6(H) x 14(W) x 12.9(D) in.	
Weight	9.1 kg (20.1 lbs.)	
Power requirements	100–240 Vac, 50/60 Hz, nominal	

Cat. No.	Description
5840300	Multidrop Combi, 100–240 V 50/60 Hz
5840320	Multidrop Combi with SMART 2 option, 100–240 V 50/60 Hz Includes cassette lifetime traceability feature
5188009	FILLit Software for Multidrop Combi
24073290	Small tube plastic tip dispensing cassette (for volumes 0.5–50 µl)
24073293	Long small tube plastic tip dispensing cassette (for volumes 0.5–50 µl)
24073295	Small tube metal tip dispensing cassette (for volumes 0.5–50 µl)
24073298	Long small tube metal tip dispensing cassette (for volumes 0.5–50 µl)
24073291	Small tube plastic tip dispensing cassette 5-pack
24073296	Small tube metal tip dispensing cassette 5-pack
24072670	Standard tube dispensing cassette (for volumes 5–2500 µl)
24072671	Standard tube dispensing cassette 5-pack
24072672	Standard tube dispensing cassette 10-pack
24072677	Long standard tube dispensing cassette (length of tubing 50–200 cm in 10 cm increments)



Calibration and Servicing



Committed to maintaining the accuracy of your data.

The accuracy and reliability of your data mean everything. That's why our calibration and services serve a critical role in maintaining the operational integrity of your instruments and equipment.

Thermo Scientific™ Pipette Lab NABL Calibration Services



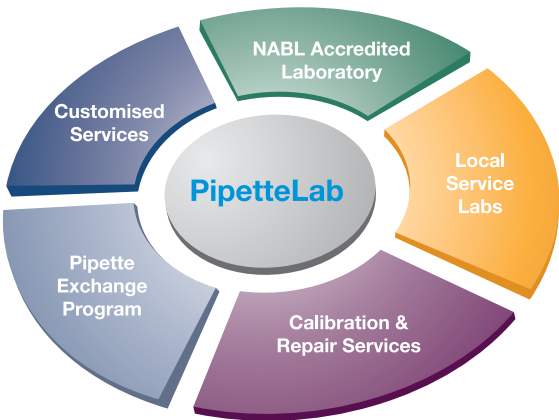
For 40 years, we have led the way in liquid handling and handheld pipetting products. As a leading manufacturer of pipettes we possess pipetting knowledge and expertise that is second to none. And knowing how critical Calibration is to pipetting performance we now offer National Accreditation Board for Testing and Calibration Laboratories (NABL), accredited pipette calibration services.

NABL Accredited Pipette calibration services

Thermo Fisher Scientific India Pvt Ltd announces its Calibration Lab with ISO/IEC/17025:2005 accreditation at Nasik.

NABL Pipette Lab services Include:

1. Calibration by trained experts.
2. Full Calibration as per ISO/IEC/17025:2005 standards
 - Cleaning of Pipettes
 - Lubrication as necessary
 - 10 measurements per test volume (Min, Mid, Max)
 - Calibration Report
 - NABL calibration certificate
3. Repair/Replacement of Defective parts*
4. Safe Transportation through PipetteBox



Price List**

Thermo Scientific Finnpiettes
Fixed Volume Pipette
Variable Volume Pipette
Multichannel-8 Pipette
Multichannel-12 Pipette
Novus Single Channel Pipette
Novus Multichannel Pipette
*Spares charge extra as applicable
**Taxes and shipping costs extra as applicable

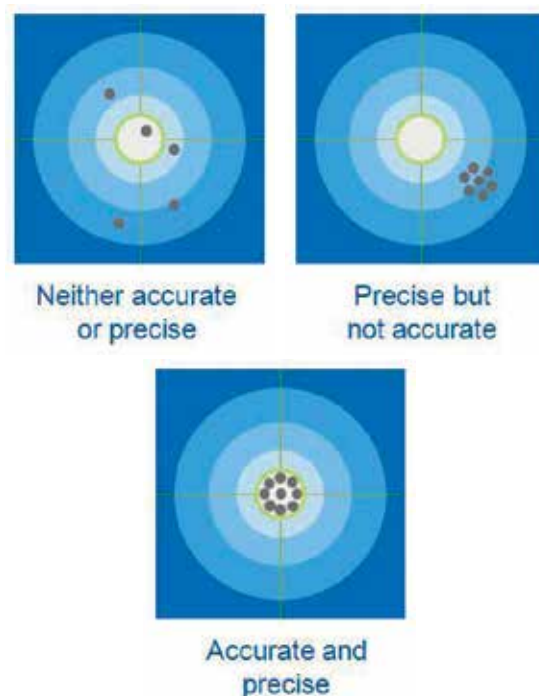


Certificate No: C-0836

The benefits of routine pipette preventive maintenance and calibration

Key words

- **As Found/As Received measurements** – The process of measuring the volume of liquid that a pipette aspirates and dispenses. This helps to determine pass/fail results per desired accuracy and precision specifications. The As Found process occurs “before” the pipette is inspected, opened, and preventive maintenance is performed.
- **Out of tolerance (OOT)** – When a pipette is determined to not conform with established standards for accuracy, precision, or functional performance.
- **Hidden failures** – Are pipette performance risks that can go undetected to the naked eye during use and operation. This could potentially compromise valuable research unless corrected.
- **Preventive maintenance (PM)** – The proactive cleaning, testing, and replacement of common parts that can impact pipette accuracy and precision.
- **As Returned/As Left measurements** – The process of measuring the volume of liquid that a pipette aspirates and dispenses to confirm that the pipette passes desired accuracy and precision specifications “after” the pipette inspection and preventive maintenance are completed.
- **Accuracy** – Is the amount of liquid that is aspirated and dispensed; and how it deviates from the volume shown on the display of the pipette.
- **Precision** – Is the statistical assessment of pipette measurements to determine repeatability. This is commonly expressed as standard deviation, coefficient of variation or reproducibility.



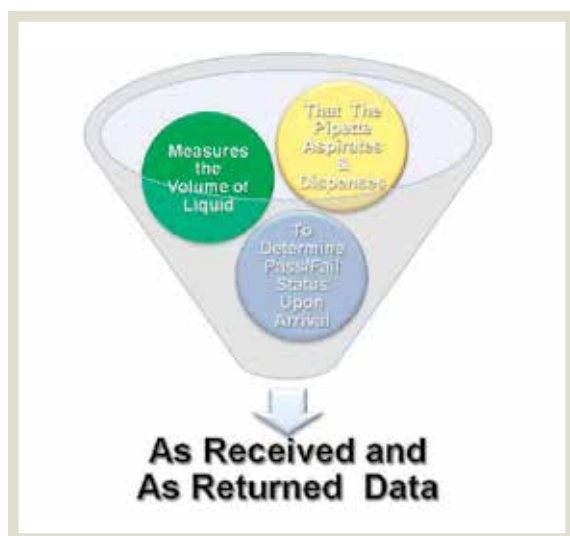
Goals

To establish credibility with our customers regarding the importance of routine pipette preventive maintenance and calibration, and how Unity Lab Services™ can meet their pipette service needs.

Overview

Pipettes are highly accurate and precise laboratory instruments that can be depended upon to perform accurately and precisely, every time. As with any precision laboratory instrument, pipettes require routine preventive maintenance and calibration, at least annually, in order to provide many hours of trouble-free use.

Understanding and communicating the importance of routine pipette preventive maintenance and calibration can generate repeat pipette service business, expand pipette and tips product pull through, and command credibility. Helping our customers to gain awareness of the “hidden failures” that could affect pipette performance is good for our Unity Lab Services business.



The benefits of As Found/As Received measurements

Pipettes are relied upon daily to perform a wide array of applications. Whether it is PCR, DNA sequencing, serial dilutions, multi-dispensing, or performing many other laboratory applications, scientists demand that the volume of liquid delivered by their pipettes be accurate and precise. As Found/As Received measurements provide those scientists with invaluable accuracy and precision data that aids them in the understanding and validation of their research. Customers who are regulated by the Food and Drug Administration (FDA), Current Good Manufacturing Processes (cGMP), Current Good Laboratory Practices (cGLP), clinical trials, International Standards Organization (ISO), or many other federal, country, and state agencies typically recommend As Found/As Received measurements. If the research is critical, there is a much higher probability that As Found/As Received process is needed.

As a general rule of thumb, many pipette scientists classify their pipettes into specific categories when determining if As Found/As Returned measurements are needed.

- General and daily use pipettes are used for most low level and routine application needs, such as the transfer of liquids. General use pipettes typically do not require As Found/As Received measurements per most scientist's procedures and processes. Pipettes typically require PM and As Returned measurements.
- Specific application pipettes are used for detailed application assays that are performed by application scientists. The results obtained are measured by the specific pipettes and skill of the scientist. These are somewhat mission critical instruments where As Found/As Received data is typically needed to validate that the volume of liquid aspirated and delivered is accurate and precise. Application assays that typically require As Found measurements include PCR, clinical trials research, DNA sequencing, etc.
- Critical application pipettes are mission critical pipettes, where the research obtained by the pipette(s) must be accurate and precise. Any out of tolerances (OOTs) can be costly and compromise many hours of research. This includes scientists working in regulated environments, such as but not limited to cGMP, cGLP, FDA, CLIA, etc.

As Found/As Received data benefits customers by validating their research and minimizing out of tolerances that are sometimes quite costly. This includes but is not limited to:

- The cost of purchasing additional expensive reagents and buffers that became invalidated by OOT pipette(s).
- Repeating application assays as the research obtained could be invalidated by OOT pipette(s).
- Documentation and infinite amounts of paperwork that need to be completed and kept on file for potential audits, corrective actions, explanation of OOT, etc. End users will need to compare the As Found/As Received data from the current service visit with the As Returned/As Left data from the previous visit, in determining the course of action.
- Potentially missing department deadlines and milestones as a result of hidden failures and OOTs.

Hidden pipette failures

A solid preventive maintenance and calibration program like what Unity Lab Services™ offers can help identify, prevent, and resolve what the pipette service industry calls “hidden pipette failures.” Most pipette failures go undetected by end users during routine use and operation.

Hidden pipette failures can account for roughly 95% of all pipette performance concerns. The most common failures are attributable to and include:

- Seal(s) and O-ring(s) – 60% of pipette failures
 - Piston(s) – 25% of pipette failures
 - Tip cone(s) / shaft(s) – 10% of pipette failures
-

Routine PM and calibration performed by Unity Lab Services can help ensure that the customer’s pipette investment is accurate, precise, and delivers worry-free samples every time.

Benefits of pipette inspection and preventive maintenance

The typical lifespan of a pipette industry-wide is roughly seven years. With routine pipette inspections, PM, and calibration, pipettes can last much longer and in most cases a lifetime.

Routine pipette inspections and quality preventive maintenance is highly beneficial to the life cycle of any pipette, regardless of make, mode, or manufacturer. The benefits include functionality testing of vital pipette components that wear and can impact accuracy and precision. This includes:

- Seal(s) (as applicable)
- O-ring(s)
- Tip cone(s)
- Piston(s)
- Lubrication (removed and new lubrication applied)

In addition to the pipette components mentioned above, the following pipette components below are thoroughly inspected and replaced as needed.

- Springs
- Tip ejector mechanism
- Coupling nut (as applicable)
- Pipette body
- Micrometer/Counter window
- Volume lock (as applicable)
- Plunger rod
- Plunger button
- Battery (health and recharging capabilities)
- Electronics (use and function)
- Motors (use and function)



The benefits of a quality preventive maintenance program ensure that the best pipette performance results are obtained. This includes:

- Use of original manufacturer’s parts
- Recommended manufacturer’s lubrication as directed
- Special tools and equipment

While OEM and generic pipette parts are readily available, it is beneficial that original manufacturer’s parts and lubricants are used when performing service. When coupled with routine inspections and preventive maintenance, it helps to maximize the benefits for accuracy, precision, and extending the pipette life cycle.

Benefits of As Returned/As Left measurements

As Returned measurements benefit the end user, as the pipette(s) tested is verified to meet desired accuracy and precision specifications after inspection and PM is completed. As a rule of thumb, when As Found/As Received and As Returned/As Left measurements are performed, the appropriate balance sensitivity should be considered for peak pipette benefit.

- Balance 10-7 decimal place: 2 μ L, 10 μ L
- Balance 10-6 decimal place: 20 μ L, 50 μ L
- Balance 10-5 decimal place: 100 μ L, 200 μ L, 300 μ L
- Balance 10-4 decimal place: 1000 μ L and larger sizes In regards to accuracy and precision specifications, should manufacturer's or ISO 8655 specifications be followed? Both have their own merits and it's up to the customer to decide which has the greatest benefit. With Unity Lab Services we can calibrate pipettes to either specifications and in several locations to ISO 17025 standards.
- Manufacturer's specifications are the set of accuracy and precision specifications that manufacturers confirm that a pipette can deliver consistently, based on pipette volume size. Manufacturer specifications are typically more stringent than ISO 8655 specifications, specifically at a volume range of 10% and 50%. Manufacturer's specifications are popular with customers in North America and APAC (Asia-Pacific American Community) markets.
- ISO 8655 specifications allow the maximum permissible limits for systematic and random error, based on pipette volume size. ISO 8655 specifications are less stringent than manufacturer's specifications, specifically at a volume range 10% and 50%. ISO 8655 specifications are popular with customers in EU service markets.

With As Returned/As Left data by Unity Lab Services, the scientist can confidently use their pipette(s) and trust that it will be accurate and precise for maximum performance benefits.


Summary

The benefits of pipette preventive maintenance and calibration are vital to the success of a scientist's research. The protection of their investment, time, research, and pipettes is of the utmost importance. With Unity Lab Services, our customers benefit from our PM and calibration programs. This includes:

- Over 25 years of pipette PM and calibration service
- Highly trained and skilled service personnel
- ISO 9001, ISO 8655, and ISO 17025 accredited in most locations
- Multi pipette brand service
- Use of original manufacturer's parts and lubricants
- Use of state-of-the art PM and calibration equipment
- Depot and field service capabilities in many locations
- Dependable turnaround times

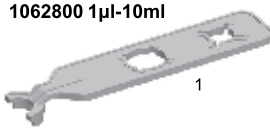
Using Unity Lab Services PM and calibration services can reduce As Found/As Received failures for maximum benefits to our customers and our growing service business.

Spare part for Thermo Scientific™ Finnpiquette™ F1 Single Channel



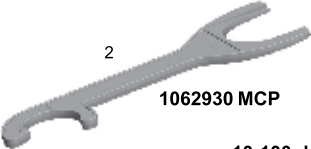
3 *

1062800 1µl-10ml



1

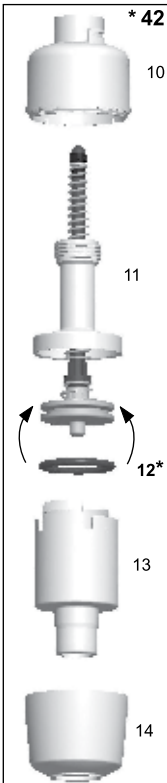
2



1062930 MCP

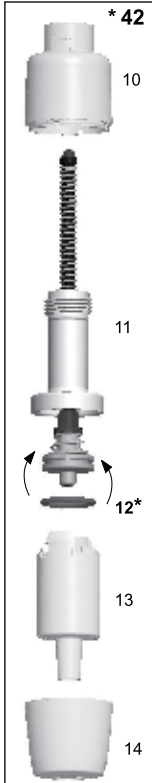
* 3. Handle
* 12. O-ring
* 42. Tip Cone assy

1-10 ml
6-10 ml Fixed



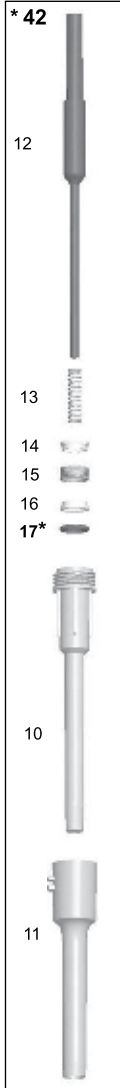
* 42 10 11 12* 13 14

0.5-5 ml
2-5 ml Fixed




* 42 10 11 12* 13 14

100-1000µl
250 / 500 / 1000µl Fixed



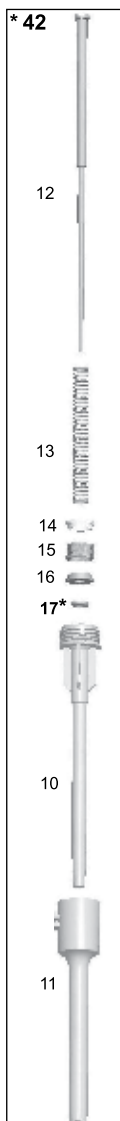
* 42 12 13 14 15 16 17* 10 11

30-300µl



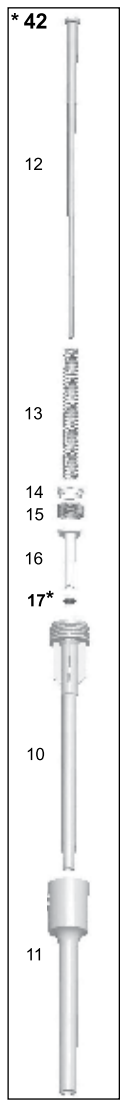
* 42 12 13 14 15 16 17* 10 11

20-200µl
200µl Fixed



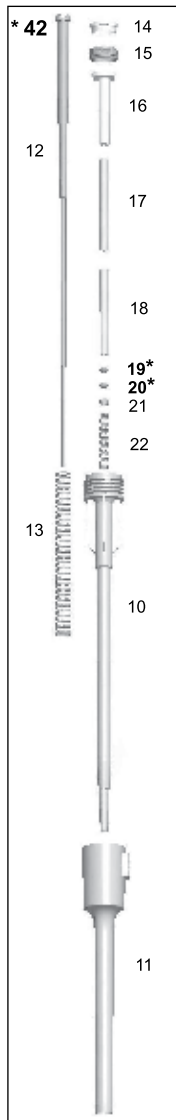
* 42 12 13 14 15 16 17* 10 11

10-100µl
25 / 50 / 100µl Fixed



* 42 12 13 14 15 16 17* 10 11

2-20µl / 2-20µl Micro
5-50µl / 5-50µl Micro
20µl Fixed



* 42 12 13 14 15 16 17 18 19* 20* 21 22 10 11

3. 2212060 1-10ml
3. 2212570 Fix 10ml
3. 2212060 0.5-5ml
3. 2212560 Fix 5ml
3. 2212550 Fix 3ml
3. 2212540 Fix 2ml
12. 1033050 10ml
12. 1030230 5ml
42. 2212260 1-10ml
42. 2212250 0.5-5ml

3. 2212040 100-1000µl
3. 2212510 Fix 250µl
3. 2212520 Fix 500µl
3. 2212530 Fix 1000µl
17. 1030020
42. 2212240

3. 2212030
17. 1033330
42. 2212220

3. 2212010 10-100µl
3. 2212480 Fix 25µl
3. 2212490 Fix 50µl
3. 2212500 Fix 100µl
17. 1030510
42. 2212200

3. 2212020 20-200µl
3. 2213100 Fix 200µl
17. 1030160
42. 2212210

3. 2213040 5-50µl
3. 2213020 5-50µl Micro
19. 1030500
20. 1033060
42. 2213050 5-50µl
42. 2213030 5-50µl Micro

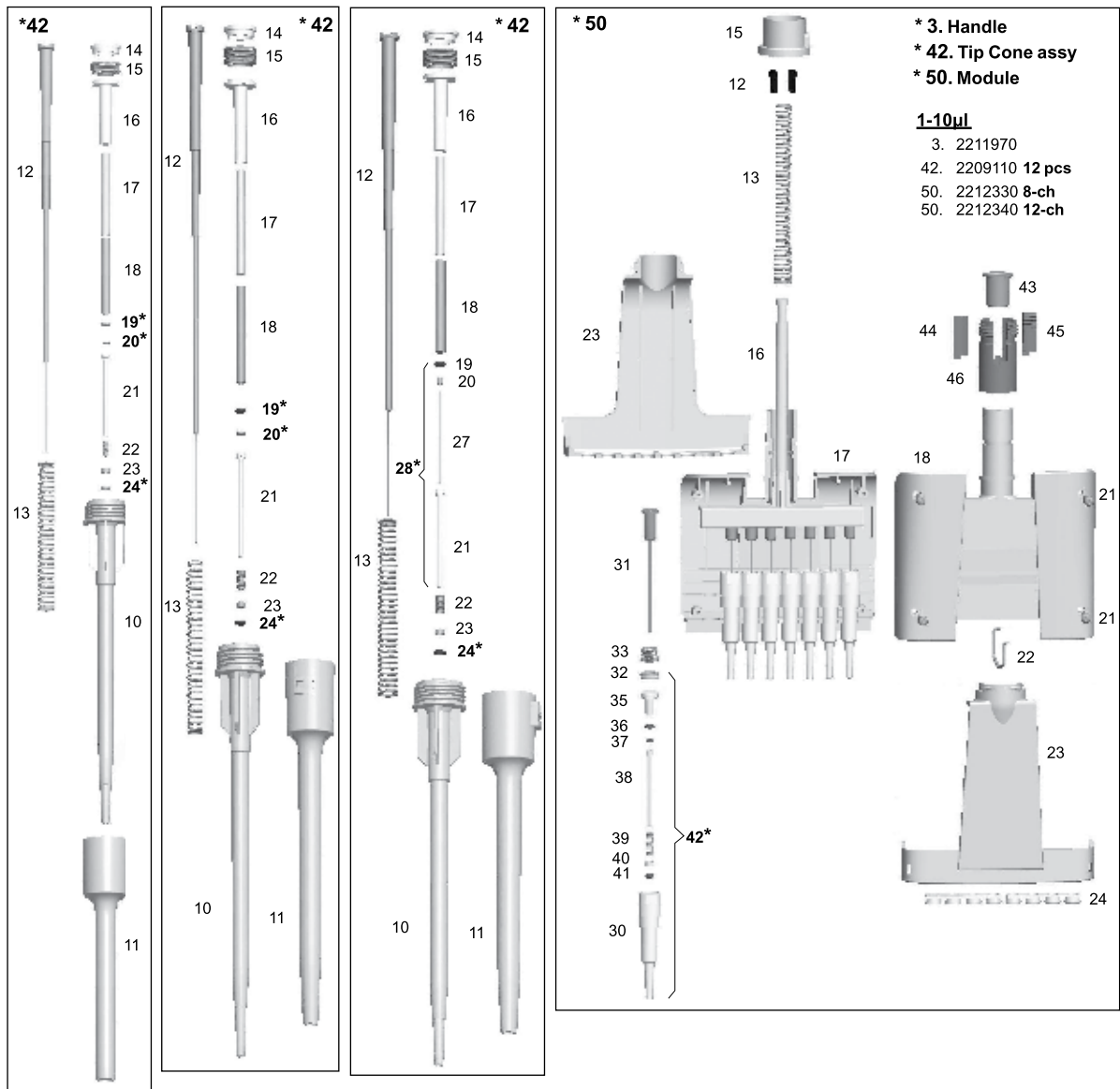
Spare part for Thermo Scientific™ Finnpiquette™ F1 Multichannel

1-10µl / 1-10µl Micro

10µl Fixed

0.5-5 µl / 5 µl Fixed

0.2-2 µl / 1 µl Fixed



1-10µl

1-10 µl Micro

10 µl Fixed

- 3. 2211980 1-10µl
- 3. 2211970 1-10µl Micro
- 3. 2212470 Fix 10µl
- 19. 1030380
- 20. 1030060
- 24. 1030170
- 42. 2212170 1-10µl
- 42. 2212110 1-10µl Micro
- 42. 2212170 Fix 10µl

0.5-5 µl

5 µl Fixed

- 3. 2211960 0.5-5µl
- 3. 2212460 Fix 5µl

- 19. 1030380
- 20. 1033160
- 24. 1030170
- 42. 2212100

0.2-2 µl

1 µl Fixed

- 3. 2211950 0.2-2µl
- 3. 2212450 Fix 1µl

- 24. 1030170
- 28. 2205730
- 42. 2212090

* 3. Handle

* 19. O-ring

* 20. O-ring

* 24. O-ring

* 28. Sealing

Combination

* 42. Tip Cone assy

* 3. Handle

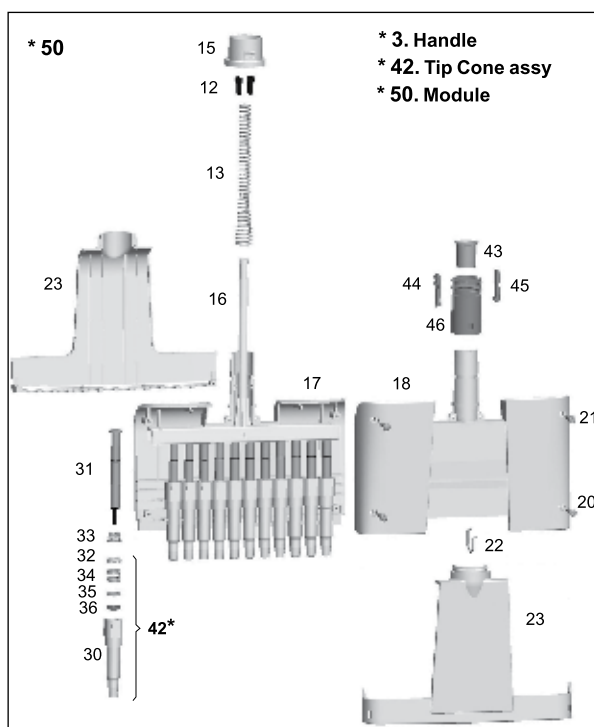
* 42. Tip Cone assy

* 50. Module

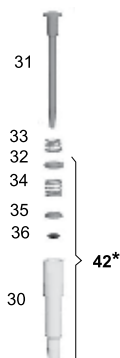
1-10µl

- 3. 2211970
- 42. 2209110 12 pcs
- 50. 2212330 8-ch
- 50. 2212340 12-ch

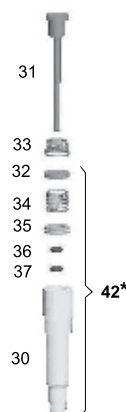
Spare part for Thermo Scientific™ Finnpiquette™ F1 Multichannel continued



10-100µl



5-50µl



30-300µl

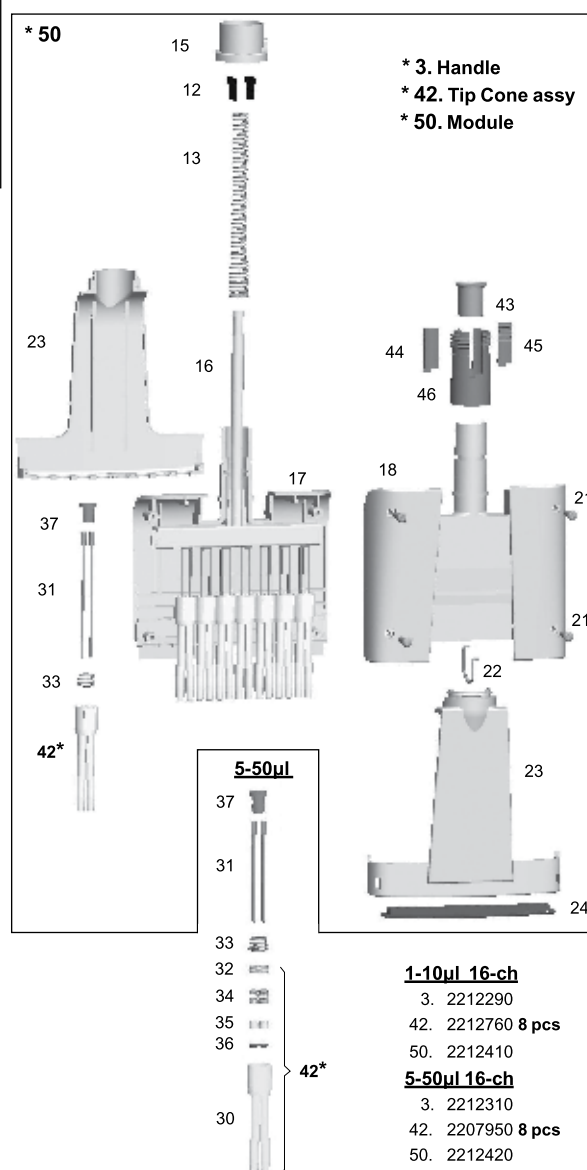
3. 2212030
 42. 2209350 **12 pcs**
 50. 2212390 **8-ch**
 50. 2212400 **12-ch**

10-100µl

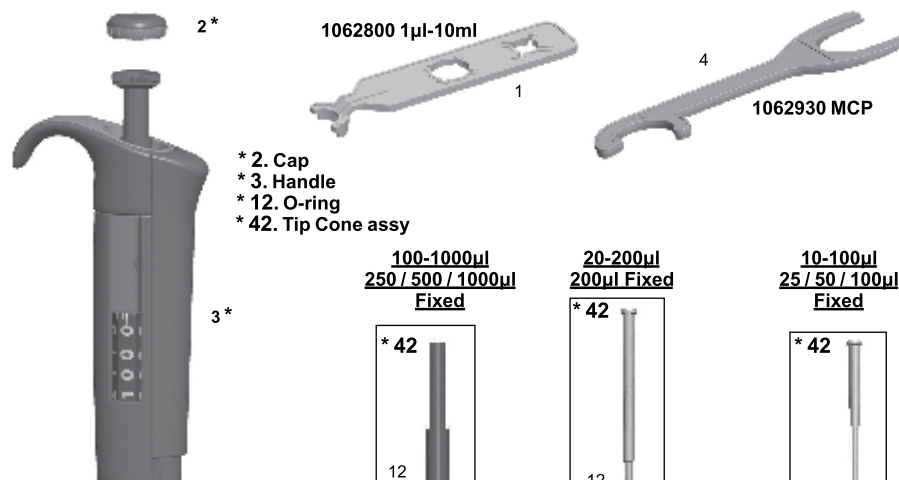
3. 2212010
 42. 2212440 **12 pcs**
 50. 2212370 **8-ch**
 50. 2212380 **12-ch**

5-50µl

3. 2212280
 42. 2212750 **12 pcs**
 50. 2212350 **8-ch**
 50. 2212360 **12-ch**



Spare part for Thermo Scientific™ Finnpiquette™ F2 (Autoclavable) Single Channel



- * 2. Cap
- * 3. Handle
- * 12. O-ring
- * 42. Tip Cone assy

100-1000µl
250 / 500 / 1000µl
Fixed

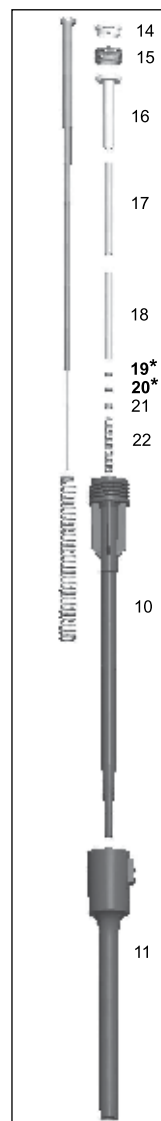
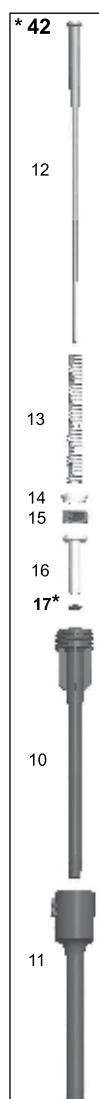
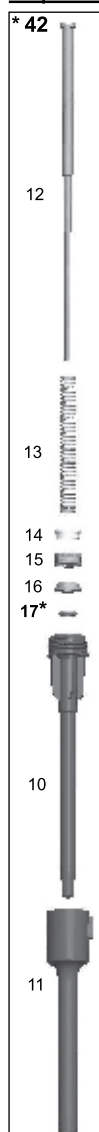
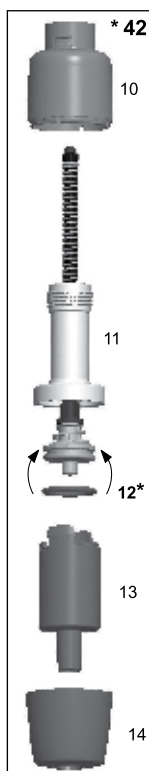
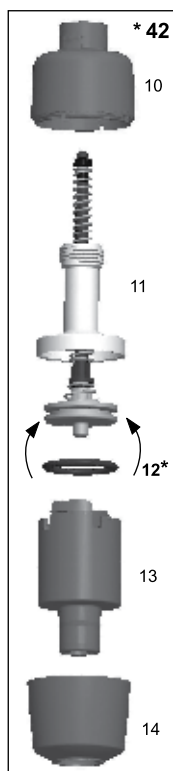
20-200µl
200µl Fixed

10-100µl
25 / 50 / 100µl
Fixed

2-20µl / 2-20µl Micro
5-50µl / 5-50µl Micro
20µl Fixed

1-10 ml
10 ml Fixed

0.5-5 ml
2-5 ml Fixed



- 2. 2211810 Fix 1-10ml
- 2. 2211590 10ml
- 2. 2211580 5ml
- 3. 2213260 1-10ml
- 3. 2213250 0.5-5ml
- 3. 2213450 Fix 10ml
- 3. 2213440 Fix 5ml
- 3. 2213430 Fix 3ml
- 3. 2213420 Fix 2ml
- 12. 1033050 10ml
- 12. 1030230 5ml
- 42. 2211670 1-10ml
- 42. 2211920 Fix 6-10ml
- 42. 2211660 2-5ml
- 42. 2211910 Fix 2-5ml

100-1000µl
250 µl Fixed
500 µl Fixed
1000µl Fixed

- 2. 2211570 100-1000µl
- 3. 2213240 100-1000µl
- 3. 2213410 Fix 1000µl
- 3. 2213400 Fix 500µl
- 3. 2213390 Fix 250µl
- 17. 1030020
- 42. 2211640

20-200µl
200 µl Fixed

- 2. 2211550 20-200µl
- 3. 2213230 20-200µl
- 3. 2213120 Fix 200µl
- 17. 1030160
- 42. 2211630

10-100µl
25 µl Fixed
50 µl Fixed
100 µl Fixed

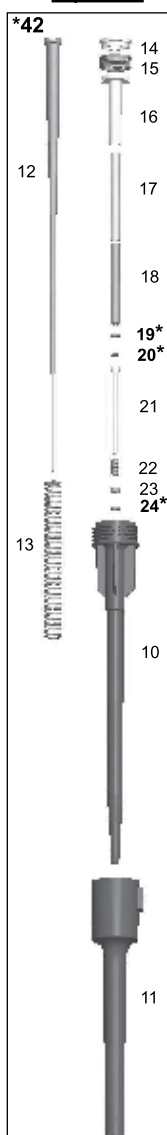
- 2. 2211550 10-100µl
- 3. 2213220 10-100µl
- 3. 2213380 Fix 100µl
- 3. 2213370 Fix 50µl
- 3. 2213360 Fix 25µl
- 17. 1030510
- 42. 2211620

2-20µl / 2-20µl Micro
20 µl Fixed

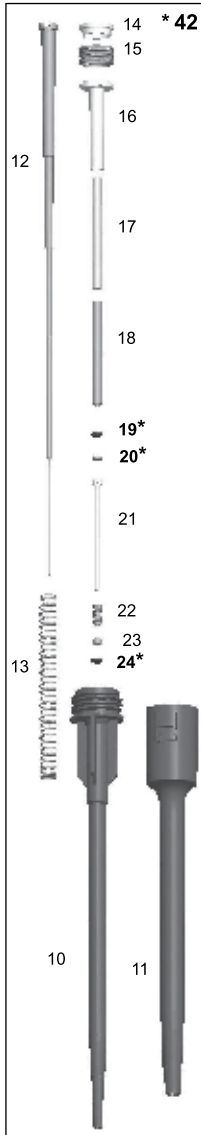
- 2. 2211550 2-20µl
- 2. 2211560 2-20µl Micro
- 3. 2213210 2-20µl
- 3. 2213200 2-20µl Micro
- 3. 2213110 Fix 20µl
- 19. 1030380
- 20. 1033110
- 42. 2211610 2-20µl
- 42. 2211610 Fix 20µl
- 42. 2211600 2-20µl Micro
- 5-50µl / 5-50µl Micro**
- 2. 2211550 5-50µl
- 2. 2211560 5-50µl Micro
- 3. 2213270 5-50µl
- 3. 2213300 5-50µl Micro
- 19. 1030500
- 20. 1033060
- 42. 2213010 5-50µl
- 42. 2212990 5-50µl Micro

Spare part for Thermo Scientific™ Finnpiquette™ F2 (Autoclavable) Multichannel

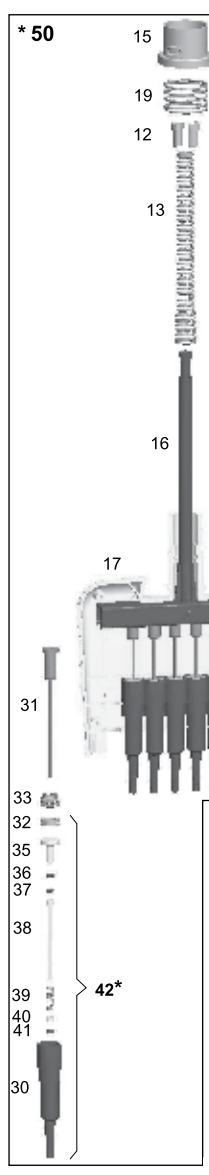
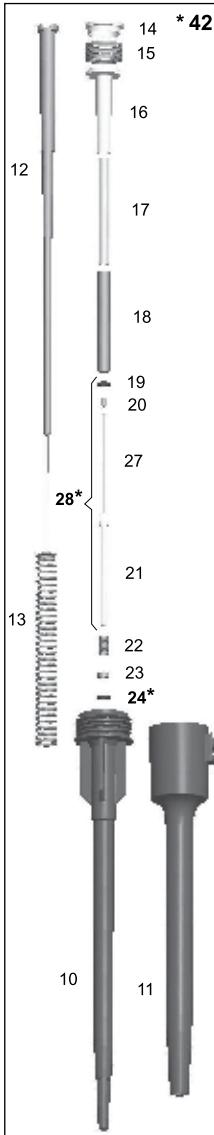
1-10µl / 1-10µl Micro 10µl Fixed



0.5-5 µl / 5 µl Fixed



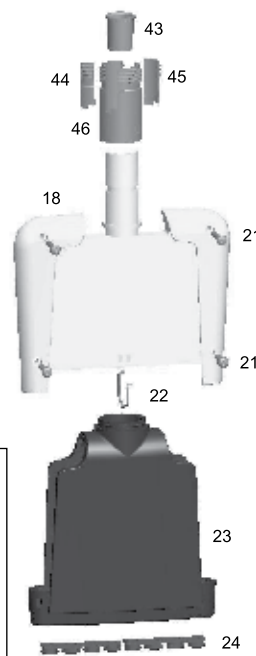
0.2-2 µl / 1 µl Fixed



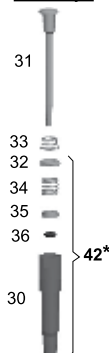
- * 2. Cap
- * 3. Handle
- * 42. Tip Cone assy
- * 50. Module

1-10µl

- 2. 2211520
- 3. 2213180
- 42. 2212770 12 pcs
- 50. 2211260 8-ch
- 50. 2211270 12-ch



10-100µl



10-100µl

- 2. 2211550
- 3. 2213220
- 42. 2212790 12 pcs
- 50. 2211300 8-ch
- 50. 2211310 12-ch

1-10µl 1-10 µl Micro 10 µl Fixed

- 2. 2211550 1-10µl
- 2. 2211520 1-10µl Micro
- 3. 2213190 1-10µl
- 3. 2213180 1-10µl Micro
- 3. 2213350 Fix 10µl
- 19. 1030380
- 20. 1030060
- 24. 1030170
- 42. 2211540
- 42. 2211510 1-10µl Micro
- 42. 2211510 Fix 10µl

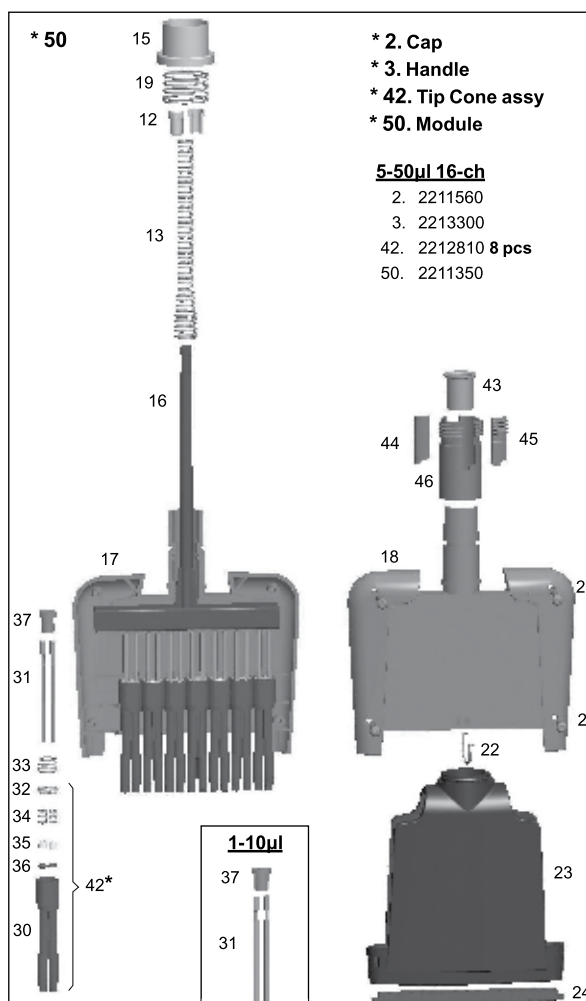
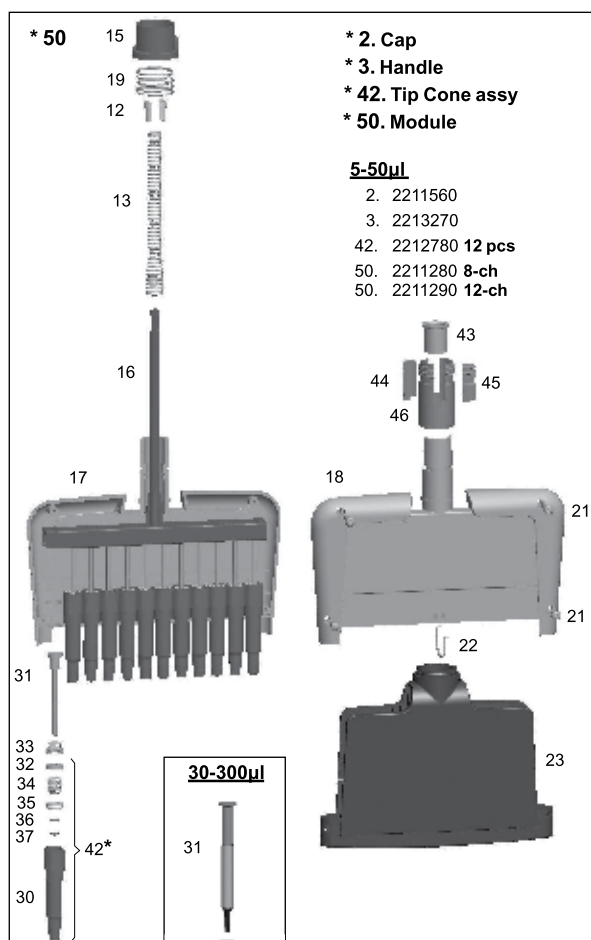
0.5-5 µl 5 µl Fixed

- 2. 2211520 0,5-5µl
- 3. 2213170 0,5-5µl
- 3. 2213340 Fix 5µl
- 19. 1030380
- 20. 1033160
- 24. 1030170
- 42. 2211900

0.2-2 µl 1 µl Fixed

- 2. 2211520 0,2-2µl
- 3. 2213160 0,2-2µl
- 3. 2213330 Fix 1µl
- 24. 1030170
- 28. 2205730
- 42. 2211890

- * 2. Cap
- * 3. Handle
- * 19. O-ring
- * 20. O-ring
- * 24. O-ring
- * 28. Sealing Combination
- * 42. Tip Cone assy



30-300µl

2. 2211680
 3. 2213280
 42. 2212800 **12 pcs**
 50. 2211320 **8-ch**
 50. 2211330 **12-ch**

1-10µl

2. 2211800
 3. 2213290
 42. 2212820 **8 pcs**
 50. 2211340

Service of Thermo Scientific™ Finnpiquette™

Terms and Conditions:

- The prices are for servicing of Thermo Scientific Finnpiquettes along with calibration.
- Spare parts, consumables cost will be charged extra at actual.
- Thermo Scientific Finnpiquettes are required to be handed over to our nearest authorised distributor for repairs with "Complaint Form", work order and challan on returnable basis.
- Payment in advance.
- Services will be carried out at the office of Thermo Fisher Scientific India Pvt. Ltd. or its authorised service centres only.
- Cost of freight will be charged extra at actual.
- Taxes extra at actual as applicable.

Sr. No.	Product
1	Finnpiquette Fixed Volume Pipette
2	Finnpiquette Variable Volume Pipette
3	Finnpiquette Multichannel-8 Pipette
	Finnpiquette Multichannel-12 Pipette
4	Finnpiquette Novus Single Channel Pipette
5	Finnpiquette Novus Multichannel Pipette
6	Electronic Matrix Impact Single Channel Pipette
7	Electronic Matrix Impact Multichannel Pipette
8	Finnpiquette Dispenser
9	S1 Filler

Note: Special package available for institutional service camps.

Please contact your nearest Thermo Fisher Scientific office for more details on models & terms and conditions of contract.



Thermo Scientific Finnpiquette® Warranty

All Thermo Scientific Finnpiquettes are warranted to be free from defects in material and workmanship for a period of one or three years from the date of purchase. At its sole discretion, Thermo Fisher Scientific will replace or repair the defective product upon prompt notification in compliance with the following conditions. The warranty against defects in workmanship or materials will be honoured as long as the product was used in compliance with the instructions for care and use. The warranty applies only to Thermo Scientific Finnpiquettes used with Thermo Scientific Finntip disposable tips. It does not apply to Thermo Scientific Finnpiquettes exposed to physical or chemical abuse.

Routine cleaning and recalibration are not covered under the terms of the warranty and will be done on chargeable basis.

Spare Part Prices for Liquid Handling Products

Cat. No.	Description
0300070-VAN	Tool for Tip Fittings
1030060-VAN	O-ring 0,78x1,02 EPDM 70S
1030170-VAN	O-ring 1,6x1,0 EPDM 70S
1030380-VAN	O-ring 2x1 EPDM 70S
1033140-VAN	O-ring 4.6x1.6 EPDM
1033380-VAN	O-ring 3x1 EPDM 70 perox.vulk Tisan 1191
1033410-VAN	O-ring 1,15x1,0 EPDM70 TipFitting 1000 C
1033420-VAN	O-ring 9,5x1,6 EPDM70
1051550-VAN	O-ring Cap
1054014-VAN	Window
1054015-VAN	Window printed
1054016-VAN	Window printed 5
1055860-VAN	Body cover 200ul, Multistep
1056110-VAN	Tip Cone Holder 4ch 300 ul
1058540-VAN	Body upper part, Multistep
105883905-VAN	Tip ejector pusher 0.5-10ul, Campus
105883906-VAN	Tip ejector pusher 5-40ul, Campus
105883907-VAN	Tip ejector pusher 40-200ul, Campus
105883916-VAN	Tip ejector pusher 5-50ul, Campus
105883917-VAN	Tip ejector pusher 20-200ul, Campus
105883918-VAN	Tip ejector pusher 100-1000ul, Campus
10588393-VAN	Tip Ejector Pusher 1ml HACH LANGE
10588710-VAN	Handle cover 0.5-10ul, Colour
10588755-VAN	Tip Ejector Pusher, 500ul
1058876011K-VAN	Tip Ejector Pusher MCP 5-50 LabServ
1058876015K-VAN	Tip Ejector Pusher MCP 50-300 LabServ
105887609-VAN	Tip Ejector Pusher 0.5-10ul LabServ
105887611-VAN	Tip Ejector Pusher 5-50ul LabServ
105887612-VAN	Tip Ejector Pusher 20-200ul LabServ
105887613-VAN	Tip Ejector Pusher 100-1000ul LabServ
105887614-VAN	Tip Ejector Pusher 1-5ml LabServ
105887703-VAN	Tip Ejector Pusher 200ul HACH LANGE
105887724-VAN	Tip Ejector Pusher 20-200ul
105887726-VAN	Tip Ejector Pusher 0.5-10ul FP-China
105887727-VAN	Tip Ejector Pusher 5-50ul FP-China
105887728-VAN	Tip Ejector Pusher 20-200ul FP-China
105887729-VAN	Tip Ejector Pusher 100-1000ul FP-China
105887730-VAN	Tip Ejector Pusher 1-5ml FP-China
10588775-VAN	Tip Ejector Pusher, 50ul
105887802-VAN	Tip Ejector Pusher 10ul HACH LANGE
105887803-VAN	Tip Ejector Pusher 100ul HACH LANGE
105887804-VAN	Tip Ejector Pusher 20ul HACH LANGE
105887805-VAN	Tip Ejector Pusher 50ul HACH LANGE
105887814-VAN	Tip ejector pusher 0.5-10 Labpipette
105887815-VAN	Tip ejector pusher 5-50 Labpipette
105887816-VAN	Tip ejector pusher 20-200 Labpipette
105887817-VAN	Tip ejector pusher 100-1000 Labpipette
105887818-VAN	Tip ejector pusher 1-5ml Labpipette
10588785-VAN	Tip ejector pusher 5ul, Colour
10589285-VAN	Tip Ejector 16-ch Digital
10589287-VAN	Tip Ejector 50ul 16ch, BioC
10589479-VAN	Tip Ejector Pusher, 20ul
10589561-VAN	Tip Ejector Pusher, 1000ul
10589581-VAN	Tip Ejector Pusher, 250ul
10589591-VAN	Tip Ejector Pusher, 25ul
10589594-VAN	Tip Ejector Pusher 2ml HACH LANGE
10589941-VAN	Handle cover grey Fixed, use code 105899
10590111-VAN	Tip ejector 300ul 12ch, BioC
10590112-VAN	Tip ejector 50ul 12ch, BioC

Cat. No.	Description
10590220-VAN	Body cover 4ch 50ul, Colour
10590230-VAN	Body cover 4ch 300ul, Colour
10590240-VAN	Body Cover 8-ch 5-50ul
10590260-VAN	Body cover 12ch 50ul, Colour
10590270-VAN	Body Cover 12-ch 50-300ul
10590280-VAN	Tip ejector plate 4ch 50ul, Colour
10590290-VAN	Tip ejector plate 4ch 300ul, Colour
10590320-VAN	Tip ejector plate 12ch 50ul, Colour
10590536-VAN	Tip Ejector Pusher 1-5ml HACH LANGE
10590790-VAN	Piston Holder, Multistep
10590870-VAN	Piston Holder 12ch, BioC
10590990-VAN	Cylinder upper part 10ml, BioC
10591040-VAN	Handle cover dark blue OEM
10591090-VAN	Ejector cap, BioC
10591101-VAN	Tip ejector 40ul, BioC
10591140-VAN	Sleeve 40ul
10591160-VAN	Tip cone 1000ul, BioC
10591200-VAN	Tip cone 0.2-1ml HACH LANGE
10591230-VAN	Handle cover blue OEM
10591240-VAN	Cover blue OEM
10591250-VAN	Tip ejector blue OEM
10591270-VAN	Ejector cap yellow, BioC
10591631-VAN	Tip Ejector Pusher 500ul HACH LANGE
10591632-VAN	Tip Ejector Pusher 1000ul HACH LANGE
10591633-VAN	Tip Ejector Pusher 0.2-1ml HACH LANGE
10591661-VAN	Body Cover 1 MCP Stepper printed
10591670-VAN	Body Cover 2 MCP Stepper
10592600-VAN	Soft cap, lila violet
10593660-VAN	Tip Ejector - Part 1 10ml Fisher
10593670-VAN	Tip Ejector - Part 2 10ml Fisher
10593680-VAN	Tip Ejector Pusher, upper part 5ml Fisher
10593690-VAN	Tip Ejector - Part 2 5ml Fisher
10593720-VAN	Service Tool
10593740-VAN	Tip Ejector Ring Fisher MCP
10593800-VAN	Tip Ejector Plate MCP 16ch
10593840-VAN	Tip Cone Cover 16ch
10593850-VAN	O-bushing 10ul/16ch
10593910-VAN	Tip Ejector Upper Part, Fisher FP II
105939201-VAN	Fisher FP II tip ejector lower part 2 -
105939202-VAN	Fisher FP II tip ejector lower part 50 -
105939203-VAN	Fisher FP II Fixed 1ul tip ejector lower
105939204-VAN	Fisher FP II Fixed 2ul tip ejector lower
105939205-VAN	Fisher FP II Fixed 5ul tip ejector lower
105939206-VAN	Fisher FP II Fixed 10ul tip ejector lower
105939207-VAN	Fisher FP II Fixed 20ul tip ejector lower
105939208-VAN	Fisher FP II Fixed 25ul tip ejector lower
105939209-VAN	Fisher FP II Fixed 50ul tip ejector lower
10593921-VAN	Fisher FP II tip ejector lower part 0,2
105939211-VAN	Fisher FP II Fixed 100ul tip ejector low
105939212-VAN	Fisher FP II Fixed 200ul tip ejector low
105939213-VAN	Fisher FP II Fixed 250ul tip ejector low
105939214-VAN	Fisher FP II Fixed 500ul tip ejector low
105939215-VAN	Fisher FP II Fixed 1000ul tip ejector lo
105939216-VAN	Fisher FP II Fixed 2ml tip ejector lower
105939217-VAN	Fisher FP II Fixed 3ml tip ejector lower
105939218-VAN	Fisher FP II Fixed 5ml tip ejector lower
105939219-VAN	Fisher FP II Fixed 10ml tip ejector lower
10593922-VAN	Fisher FP II tip ejector lower part 0,5
10593923-VAN	Fisher FP II tip ejector lower part 2 -

Spare Part Prices for Liquid Handling Products continued

Cat. No.	Description
10593925-VAN	Fisher FP II tip ejector lower part 10 -
10593926-VAN	Fisher FP II tip ejector lower part 20 -
10593927-VAN	Fisher FP II tip ejector lower part 100
10593928-VAN	Fisher FP II tip ejector lower part 200
10593929-VAN	Fisher FP II tip ejector lower part 1 -
10593960-VAN	Soft cap, black
10593970-VAN	Soft cap, white
10593980-VAN	Soft cap, dark gray
10593990-VAN	Soft cap, light gray
10594521-VAN	Handle Cover 0.5 - 10µl Fisher
10594521F-VAN	Handle Cover 0.2 - 2µl Fisher
10594523F-VAN	Handle Cover 20 - 200µl Fisher
10594524F-VAN	Handle Cover 100 - 1000µl Fisher
10594525-VAN	Handle Cover 1 - 5ml Fisher
10594526-VAN	Handle Cover 2 - 10ml Fisher
10594527-VAN	Handle Cover 5 - 50µl Fisher
10594528-VAN	Handle Cover 50 - 300µl Fisher
10594540-VAN	Tip ejector pusher Fisher
10594550-VAN	Body Cover 8ch Fisher
10594560-VAN	Body Cover 8ch Fisher
10594570-VAN	Tip Ejector 8ch Fisher
10594580-VAN	Body Cover 2 Fisher 12ch
10594590-VAN	Body Cover 1 Fisher 12ch
10594600-VAN	Tip Ejector 12ch Fisher
10594760-VAN	Tip Ejector Plate Fisher
10594850-VAN	Handle cover white LabServ
10594860-VAN	Handle cover OEM-5 white LabServ
10594870-VAN	Cover white 1-5ml LabServ
10594880-VAN	Tip ejector white 1-5ml LabServ
10594890-VAN	Body 8-ch white LabServ
10594900-VAN	Body Cover 8-ch 5-50ul LabServ
10594910-VAN	Tip Ejector 5-50ul LabServ
10594920-VAN	Tip Ejector Plate 8-ch 5-50ul LabServ
10603901-VAN	Tip ejector pusher 0.3-3ul Focus
10603903-VAN	Tip ejector pusher 1ul Focus
10603904-VAN	Tip ejector pusher 2ul Focus
10603906-VAN	Tip ejector pusher 10ul Focus
10603907-VAN	Tip ejector pusher 20ul Focus
10603908-VAN	Tip ejector pusher 25ul Focus
10603910-VAN	Tip ejector pusher 100ul Focus
10603911-VAN	Tip ejector pusher 200ul Focus
10603912-VAN	Tip ejector pusher 250ul Focus
10603915-VAN	Tip ejector pusher 2ml Focus
10603916-VAN	Tip ejector pusher 3ml Focus
10603918-VAN	Tip ejector pusher 10ml Focus
1060730-VAN	Support sleeve 50ul Focus short
1060900-VAN	Cover grey 30ul
1061060-VAN	Tip ejector upper part 5ml Focus dark bl
1061070-VAN	Tip ejector upper part 10ml Focus dark b
1061200-VAN	Tip ejector top Focus 8ch
10614701-VAN	Tip ejector pusher 5ul Fixed F3
10614702-VAN	Tip ejector pusher 10ul Fixed F3
10614703-VAN	Tip ejector pusher 25ul Fixed F3
10614704-VAN	Tip ejector pusher 50ul Fixed F3
10614705-VAN	Tip ejector pusher 100ul Fixed F3
10614706-VAN	Tip ejector pusher 250ul Fixed F3
10614707-VAN	Tip ejector pusher 500ul Fixed F3
10614708-VAN	Tip ejector pusher 1000ul Fixed F3
1061471-VAN	Tip ejector pusher 1-10ul micro F3

Cat. No.	Description
1061472-VAN	Tip ejector pusher 2-20ul micro F3
1061473-VAN	Tip ejector pusher 10-100ul F3
10614735-VAN	Tip ejector pusher 1-10ul, A2
10614736-VAN	Tip ejector pusher 2-20ul, A2
10614737-VAN	Tip ejector pusher 10-100ul, A2
10614738-VAN	Tip ejector pusher 20-200ul, A2
10614739-VAN	Tip ejector pusher 100-1000ul, A2
1061474-VAN	Tip ejector pusher 20-200ul F3
10614741-VAN	Tip ejector pusher 1-10ml, A2
10614742-VAN	Tip ejector pusher 5-50ul F3
10614743-VAN	Tip ejector pusher 30-300ul F3
10614744-VAN	Tip ejector pusher 5-50ul micro F3
1061475-VAN	Tip ejector pusher 100-1000ul F3
10614753-VAN	Tip ejector pusher 1-10ul, Well
10614754-VAN	Tip ejector pusher 2-20ul, Well
10614755-VAN	Tip ejector pusher 20-200ul, Well
10614756-VAN	Tip ejector pusher 100-1000ul, Well
10614757-VAN	Tip ejector pusher 1-10ml, Well
10614758-VAN	Tip ejector pusher 0.5-5ml F3
1061476-VAN	Tip ejector pusher 1-10ml F3
10614761-VAN	Tip ejector pusher 0.5-5ml Well
10614762-VAN	Tip ejector pusher 0,2-2ul micro F3
1061477-VAN	Tip ejector pusher 1-10ul F3
1061478-VAN	Tip ejector pusher 2-20ul F3
1061479-VAN	Tip ejector pusher 1ul Fixed F3
1061630-VAN	Tip cone 100&200 F3
1061640-VAN	Tip Cone 10&20 F2
1061650-VAN	Tip Ejector 1000 F3
1061681-VAN	Piston 1000 F1-CT
1061690-VAN	Piston 100 F1/F2/F3
1061691-VAN	Piston 100 F1-CT
1061761-VAN	Piston 200 F1-CT
1062202-VAN	Battery lid HACH
1062212-VAN	Lens HACH
1062401-VAN	Tip ejector 16ch Novus
1062470-VAN	MCP steering plate Novus
1062799-VAN	Cover HACH BL DH
10632301-VAN	Tip ejector pusher lower part 2-20ul F1
10632302-VAN	Tip ejector pusher lower part 30-300ul F
10632303-VAN	Tip ejector pusher lower part 0,5-5ml F1
10632304-VAN	Tip ejector pusher lower part 5-50ul F1
10632305-VAN	Tip ejector pusher lower part 5-50ul mic
10632306-VAN	Tip ejector pusher lower part 1-10ul 16c
10632307-VAN	Tip ejector pusher lower part Fixed F1
10632308-VAN	Tip ejector pusher lower part 1-10µl F1-
10632309-VAN	Tip ejector pusher lower part 2-20µl F1-
1063231-VAN	Tip ejector pusher lower part 0,2-2ul F1-
10632311-VAN	Tip ejector pusher lower part 5-50µl F1-
10632312-VAN	Tip ejector pusher lower part 10-100µl F
10632313-VAN	Tip ejector pusher lower part 20-200µl F
10632314-VAN	Tip ejector pusher lower part 30-300µl F
10632315-VAN	Tip ejector pusher lower part 100-1000µl
10632316-VAN	Tip ejector pusher lower part Fixed F1-C
1063232-VAN	Tip ejector pusher lower part 0,5-5ul F1
1063233-VAN	Tip ejector pusher lower part 1-10ul mic
1063234-VAN	Tip ejector pusher lower part 2-20ul mic
1063235-VAN	Tip ejector pusher lower part 10-100ul F
1063236-VAN	Tip ejector pusher lower part 20-200ul F
1063237-VAN	Tip ejector pusher lower part 100-1000ul

Cat. No.	Description
1063238-VAN	Tip ejector pusher lower part 1-10ml F1
1063239-VAN	Tip ejector pusher lower part 1-10ul F1
1063260-VAN	Zahnradplatte F1
1063340-VAN	Cover 8ch pink F2
1063350-VAN	Bottom 8ch pink F2
1063361-VAN	Tip ejector 16ch F2
1063401-VAN	Tip Ejector Bottom 16ch F1
1063412-VAN	Tip Ejector Top 16ch F1
1063570-VAN	Tip Cone 100&200&300
10636201-VAN	Tip ejector pusher 2-20ul F2
10636202-VAN	Tip ejector pusher 30-300ul F2
10636203-VAN	Tip ejector pusher 0,5-5ml F2
10636204-VAN	Tip ejector pusher 5-50ul 16ch F2
10636205-VAN	Tip ejector pusher 1-10ul 16ch F2
10636206-VAN	Tip ejector pusher 1ul Fixed F2
10636207-VAN	TIP EJECTOR PUSHER 5-50ul F2
10636208-VAN	Tip ejector pusher 5ul Fixed F2
10636209-VAN	Tip ejector pusher 10ul Fixed F2
1063621-VAN	Tip ejector pusher 0,2-2ul F2
10636211-VAN	Tip ejector pusher 25ul Fixed F2
10636212-VAN	Tip ejector pusher 50ul Fixed F2
10636213-VAN	Tip ejector pusher 100ul Fixed F2
10636214-VAN	Tip ejector pusher 250ul Fixed F2
10636215-VAN	Tip ejector pusher 500ul Fixed F2
10636216-VAN	Tip ejector pusher 1000ul Fixed F2
10636217-VAN	Tip ejector pusher 2ml Fixed F2
10636218-VAN	Tip ejector pusher 3ml Fixed F2
10636219-VAN	Tip ejector pusher 5ml Fixed F2
1063622-VAN	Tip ejector pusher 0,5-5ul F2
10636221-VAN	Tip ejector pusher 10ml Fixed F2
10636223-VAN	Tip ejector pusher 20ul Fixed F2
10636224-VAN	Tip ejector pusher 200ul Fixed F2
1063624-VAN	Tip ejector pusher 2-20ul micro F2
1063625-VAN	Tip ejector pusher 10-100ul F2
1063626-VAN	Tip ejector pusher 20-200ul F2
1063627-VAN	Tip ejector pusher 100-1000ul F2
1063628-VAN	Tip ejector pusher 1-10ml F2
1063629-VAN	Tip ejector pusher 1-10ul F2
1064121-VAN	Piston 300 F1-CT
1064300-VAN	Cover 8ch turquoise F2
1064360-VAN	Tip Ejector 1000 F1
1064370-VAN	Tip Ejector 100&200&300 F1
1064380-VAN	Tip Ejector 10&20 F1
10647301-VAN	Tip ejector pusher upper part 2-20ul F2
10647302-VAN	Tip ejector pusher upper part 30-300ul F
10647303-VAN	Tip ejector pusher upper part 0,5-5ml F2
10647304-VAN	Tip ejector pusher upper part 5-50ul 16c
10647305-VAN	Tip ejector pusher upper part 1-10ul 16c
10647306-VAN	Tip ejector pusher upper part 5-50ul F2
10647307-VAN	Tip ejector pusher upper part 1ul Fixed
10647308-VAN	Tip ejector pusher upper part 5ul Fixed
10647309-VAN	Tip ejector pusher upper part 10ul Fixed
1064731-VAN	TIP EJECTOR PUSHER UPPER PART 0,2-2ul F2
10647311-VAN	Tip ejector pusher upper part 25ul Fixed
10647312-VAN	Tip ejector pusher upper part 50ul Fixed
10647313-VAN	Tip ejector pusher upper part 100ul Fixe
10647314-VAN	Tip ejector pusher upper part 250ul Fixe
10647315-VAN	Tip ejector pusher upper part 500ul Fixe
10647316-VAN	Tip ejector pusher upper part 1000ul Fix

Cat. No.	Description
10647317-VAN	Tip ejector pusher upper part 2ml Fixed
10647318-VAN	Tip ejector pusher upper part 3ml Fixed
10647319-VAN	Tip ejector pusher upper part 5ml Fixed
1064732-VAN	Tip ejector pusher upper part 0,5-5ul F2
10647321-VAN	Tip ejector pusher upper part 10ml Fixed
10647322-VAN	Tip ejector pusher upper part 20ul Fixed
10647323-VAN	Tip ejector pusher upper part 200ul Fixe
1064733-VAN	Tip ejector pusher upper part 1-10ul mic
1064734-VAN	Tip ejector pusher upper part 2-20ul mic
1064735-VAN	Tip ejector pusher upper part 10-100ul F
1064736-VAN	Tip ejector pusher upper part 20-200ul F
1064737-VAN	Tip ejector pusher upper part 100-1000ul
1064738-VAN	Tip ejector pusher upper part 1-10ml F2
1064739-VAN	Tip ejector pusher upper part 1-10ul F2
1064761-VAN	Piston 50 F1-CT
1064910-VAN	Gear Wheel E1
1064920-VAN	Pinoin Rack Lower E1
1064960-VAN	Tip Fitting 384 SCP E1
1065131-VAN	Cover A print 1 MCP E1
1065132-VAN	Cover A print 2 MCP E1
1065133-VAN	Cover A print 3 MCP E1
1065134-VAN	Cover A print 4 MCP E1
1065160-VAN	Scale 1 (4.5-14.2) MCP E1
1065260-VAN	Adjuster MCP E1
1065330-VAN	Ejector 1000 F1-CT
1065340-VAN	Ejector 300 F1-CT
1065350-VAN	Tip Cone 1000 F1-CT
1065360-VAN	Tip Cone 100/200/300 F1-CT
1065400-VAN	Clip Trigger 300 F1-CT
1065410-VAN	Color Ring F1-CT
1065500-VAN	EjectorLink F1-CT
1065510-VAN	Housing Bottom 8 F1-CT
1065540-VAN	Ejector Slide 8 F1-CT
1065550-VAN	Housing Bottom 12 F1-CT
1065580-VAN	Ejector Slide 12 F1-CT
1065650-VAN	ABDECKUNG F.BATTERIEFACH, NOVUS
1065681-VAN	Tip Ejector Lever Upper 0.2-2 FB3
10656811-VAN	Tip Ejector Lever Upper 1-10ml FB3
10656812-VAN	Tip Ejector Lever Upper 30-300 FB3
1065682-VAN	Tip Ejector Lever Upper 0.5-5 FB3
1065683-VAN	Tip Ejector Lever Upper 1-10 FB3
1065684-VAN	Tip Ejector Lever Upper 2-20 FB3
1065685-VAN	Tip Ejector Lever Upper 5-50 FB3
1065686-VAN	Tip Ejector Lever Upper 10-100 FB3
1065687-VAN	Tip Ejector Lever Upper 20-200 FB3
1065688-VAN	Tip Ejector Lever Upper 100-1000 FB3
1065689-VAN	Tip Ejector Lever Upper 0.5-5ml FB3
1065690-VAN	Tip Ejector Lever Lower FB3
1065720-VAN	Tip ejector 1000 FB3
1065730-VAN	Tip ejector 300 FB3
1065740-VAN	Bottom 8ch FB3
1065750-VAN	Cover 8ch FB3
1065760-VAN	Ejector 8ch FB3
1065770-VAN	Bottom 12ch FB3
1065780-VAN	Cover 12ch FB3
1065790-VAN	Ejector 12ch FB3
1065800-VAN	Color Ring MCP FB3
1065820-VAN	Tip Ejector Micro FB3
1065830-VAN	Tip Ejector Lever Lower 5&10ml FB3

Spare Part Prices for Liquid Handling Products continued

Cat. No.	Description
1065840-VAN	Trigger pink E1
1065850-VAN	Trigger body E1
1065871-VAN	Top End Cover 12.5 E1
1065872-VAN	Top End Cover 30 E1
1065873-VAN	Top End Cover 125 E1
1065874-VAN	Top End Cover 300 E1
1065875-VAN	Top End Cover 850 E1
1065876-VAN	Top End Cover 1250 E1
1065890-VAN	Keypad pink E1
1065901-VAN	Top End Bottom printing E1
1065930-VAN	Adjuster Guide MCP E1
10675501-VAN	Pusher low 2-20µl F1 Locked
10675502-VAN	Pusher low 30-300µl F1 Locked
10675503-VAN	Pusher low 0.5-5ml F1 Locked
10675504-VAN	Pusher low 5-50µl F1 Locked
10675505-VAN	Pusher low 5-50µ micro F1 Locked
10675506-VAN	Pusher low 1-10µl 16ch F1 Locked
10675507-VAN	Pusher low Fixed F1 Locked
10961NTMX	Matrix eDrop Nano Tubing
11071320-VAN	Piston 50ul 16ch Digital
11071940-VAN	Guide bar MCP, Focus
11072080-VAN	Tip-Fitting 10-300 F1-CT
11072100-VAN	Pin 1.9 x 9.6 mm
11072200-VAN	Tip-Fitting 1000 F1-CT
11072240-VAN	Tip Fitting 1250
11282-HUD	O-ring, Piston 35-250
11292-HUD	Spring, Ejector Trigger
11301-HUD	E Ring, X5133-17 Roll Pack
1132640-VAN	O-Ring Spring 0.7x11.8x17
1132940-VAN	Spring Clip Trigger F1-CT D8,4/D7,9x30x0
11891-HUD	Piston, 425
12025050-VAN	Keypad, pink Novus
12025060-VAN	Keypad, yellow Novus
12025070-VAN	Keypad, turquoise Novus
12025080-VAN	Keypad, orange Novus
12025090-VAN	Keypad, blue Novus
12025100-VAN	Keypad, green Novus
12025110-VAN	Keypad, red Novus
12205-HUD	Plate, Manifold Exp
12255-HUD	Strap, Exp. 8 Ch.
12257-HUD	Strap, Exp 12 Ch.
12259-HUD	Strap, Exp 4 Ch Digene
12270-HUD	Push Rod, Exp 6 Ch
12271-HUD	Push Rod, Exp 8 Ch
12905150-VAN	Power supply Japan, BioC
12905170-VAN	Power supply Australia, BioC
12905510-VAN	Charger USA, Use code 12905560
12905520-VAN	Charger Japan, Use code 12905560
12905530-VAN	Charger UK, Use code 12905560
12905561-VAN	Labelled Charger Universal, Novus
12905570-VAN	Labelled Charger EUR HACH
12905600-VAN	Universal Charger E1, labelled
12906710-VAN	Magnet F1
13336-HUD	Flachkopfschraube 2-65 x 5/16
13354-HUD	HOUSING SCREW
13406-HUD	Washer, SS 5/16 x 3/16 x .010thk
13765-HUD	PC Board, Impact
14706-HUD	Pins, Dowel 1/16 x 3/16
14708-HUD	Screw, 2x 1/4 Plastite Torx P

Cat. No.	Description
14778-HUD	O-ring, 3.45MM x 1MM 250 Imp
1527190-VAN	Name plate HACH LANGE
16003-HUD	Cover, Handle
16009-HUD	Trigger, Handle Cordless
16013-HUD	Keypad, Impact Console
16038-HUD	Assy, Battery Box
16058-HUD	Box, Blank SBS 9-3/4x4x11 BD
16180-HUD	Motor, Stepper Impact
16185-HUD	Screw, Motor Multi Channel
16190-HUD	Motor, Coupling
16210-HUD	Contact, Zebra Conductive Strip
16385-HUD	Ball Bearing, Nylon 1/16"
16395-HUD	Assy, Driver Bd.
16401-HUD	Assy, Console Cov Print Digene
16407-HUD	Assy, Pist/Cyl 8 Ch 125
16409-HUD	Assy, Pist/Cyl 8 Ch 1250
16410-HUD	Assy, Pist/Cyl 8 Ch. 250 Impac
16411-HUD	Assy, Pist/Cyl 12 Ch 850ul
16415-HUD	Assy, Pist/Cyl 12 Ch 125ul
16417-HUD	Assy, Pist/Cyl 12 Ch 250ul
16428-HUD	Foam, Cover Impact
16430-HUD	Foam, Base Impact
16433MX	ASSY, COLOR RING 125UL YELLOW
16436MX	ASSY, COLOR RING 250UL BLUE
16437MX	ASSY, COLOR RING 850UL ORANGE
16439MX	ASSY, COLOR RING 12.5UL RED
16446-HUD	Cylinder, 12 Ch 12.5ul
16450-HUD	Piston, Adapter 12.5ul
16466-HUD	Spacer, Nylon 12.5 Mech. Stop
16468-HUD	Screw, Ph Pan Hd 4-40 x 3/16
16470-HUD	Screw, 2-56x1/4 PH MS Nylon sl
16484-HUD	Assy, Pist/Cyl 8 Ch 12.5UL Imp
16487-HUD	Assy, Fixed Manif 12 Ch 12.5UL
16494-HUD	Keypad, w/Program Key
16498-HUD	Bracket, Exp 12.5ul 40MM Tip
16510-HUD	Plate, Manifold Exp 12 Ch. 12.
16564-HUD	Assy, Console Cover-Roche
16568MX	HSG., HDL GREY PROG.
16572-HUD	Cover, Console Prog. Grey
16574-HUD	Cover, HdI Grey Prog.
16576-HUD	Trigger, Ejector Dk. Grey
16578-HUD	Trigger, Handle Dk. Grey
16584-HUD	Assy, Plastic w/Exp Modif. Imp
16676-HUD	Assy, Manifold Exp 6 Ch 125UL
16677-HUD	Assy, Manifold Exp 6 Ch 250UL
16692-HUD	Assy, Manifold Peek 8 Ch 850/1
16694-HUD	Assy, Manifold Peek 12/250ul
16700-HUD	Assy, Manifold Exp 6 Ch 1250ul
16706-HUD	Washer, SS.210-.130 -.0203 Thk
16710-HUD	O-ring, 4.7MM x 1MM 850
16724-HUD	Cylinder, Multi 12 Ch 250ul Im
16726-HUD	Assy, Pist/Cyl 6 Ch 1250UL
16727-HUD	Assy, Pist/Cyl 5 Ch 1250UL
16728-HUD	Assy, Manifold Exp 6 Ch 1250UL
16742-HUD	Plate, Manifold 8 Ch Vis Gen
16776-HUD	Washer Nylon .187x .116x .016
16830-HUD	Plate, Manifold Exp/Adj
16848-HUD	Push Rod, 1250 & 250 Equalizer
16860-HUD	Bar Support, Manifold

Cat. No.	Description
16868-HUD	Faceplate, Dk Grey Equalizer
16870-HUD	Face Plate, Dk Gray
16872-HUD	Button, Stop Left Gray Imp 2
16874-HUD	Button, Stop Right (Gray)
16876-HUD	Ratchet, Stop Dk Grey
16878-HUD	CONNECTOR, INDICATOR
16880-HUD	Indicator, Spacing Dk Grey
16919-HUD	Assy, Manifold Exp/Adj 8/250ul
16920-HUD	Assy, Manifold 12.5ul Terrasak
16926-HUD	Screw, 2 X 1/4 PH Steel Zinc
16927-HUD	Screw, 2 x .25 Plastite Pan H
16928-HUD	Spring, C0240-022-0250M
16929-HUD	Spacer, .310od x .206id x .010
16937-HUD	Assy, Manifold Exp/Adj 1250ul
16950-HUD	Assy, Printed Gauges Dk. Grey
16964-HUD	Screw,Phillips PanType B4x.25
16972-HUD	Oring, .047ID x .073 70 BunaN
16975-HUD	Spacer, .250 x .140 x .187
16976-HUD	Assy, Piston/Cyl 8 Ch 125ul
16977-HUD	Assy, Piston/Cyl 8 Ch 12.5ul
16982-HUD	Cover, Housing Relief Gray
16984-HUD	Plate, Blank-Off Gray
16985-HUD	Link, 12 Channel Long
16989-HUD	Cylinder, 30ul/4.5MM Equalizer
16991-HUD	Push Rod, 12 Ch. Equalizer
16998-HUD	Screw, Motor Equalizer
17001-HUD	Assy, Piston/Cyl 12 Ch 12.5ul
17003-HUD	Piston, 12.5ul Short
17010-HUD	Assy, Piston/Cyl 12 Ch 30ul
17011-HUD	Cylinder, 125ul Equalizer
17013-HUD	Piston, 125ul Equalizer
17021-HUD	Washer, 4-40
17025-HUD	Assy, Manifold 8 Ch 30ul
17036-HUD	1mmX5mm Stainless Steel Dowel
17100-HUD	Piston, Adapter Threaded 30ul
17101-HUD	Assy, Manifold Exp 5 Ch 250 ul
17108-HUD	Assy,Print Faceplate 12 Ch Im2
17117-HUD	Assy, Prntd Faceplate 8 Ch Imp2
17119-HUD	Assy, Pist/Cyl 5 Ch 250ul
17127-HUD	Assy, Trigger Impact Equalizer
17128-HUD	Plate, Manifold 8 x 10.8MM
17129-HUD	Strap, Exp 12.5/8 Ch 6029-52
17130-HUD	Assy,Manfld 8Ch 12.5ul 6029-52
17136-HUD	Spacer, Shaft Piston Adapter
17151-HUD	Cylinder, 16 Ch 30ul
17152-HUD	Backplate, Piston 16 Ch
17153-HUD	Backplate, Piston 12.5/30ul
17158-HUD	Cylinder, 16 Ch 12.5ul
17159-HUD	Cylinder, 16 Ch 125ul
17160-HUD	Top Plate, Cyl. 16 Ch. 125ul
17161-HUD	Piston, 125ul x 16 Ch
17162-HUD	Oring, 125ul x 16 Ch.
17166-HUD	Screw, Lead Coarse Pitch
17187-HUD	Assy, Manifold 16 Ch 125ul Equ
17194-HUD	Assy, Pist/Cyl 16 Ch 12.5ul
17195-HUD	Assy, Pist/Cyl 16 Ch 30ul
17196-HUD	Assy, Pist/Cyl 16 Ch 125ul
18240-HUD	Washer, 5/16 x 3/16 x .002 SS
18372-HUD	Washer, SS 5/16 x 3/16 x .015

Cat. No.	Description
18398-HUD	Washer, SS 3/16 x 5/16 x .020
18710-HUD	Plate, Manifold 4 Ch. Digene
18822-HUD	Assy, Manifold Exp 5 Ch 1250ul
18958-HUD	O-Ring Lubric,vial (Tech-Lube)
19216-HUD	Assy, BD Console Cover
20033-HUD	Trigger, Ejector Dk.Gray Imp2
200X-BU-HUD	Battery upgrade kit, Matrix Fixed
200X-HK-HUD	Housing kit, Matrix Fixed
20102-HUD	Support Sleeve 1250ul
20135-HUD	O-Ring, 12.5ul
202050-VAN	Screw PT 2,2x16 WN 1442
20252-HUD	Assy,Collet Prntng 1250ul Imp2
20258-HUD	Assy, Collet Prntng 30ul Imp2
20268-HUD	Assy, Collet Prntng- ISC 30ul
20270-HUD	Assy,Collet Prnt ISC 12.5ul Wh
20292-HUD	Ejector, 1250ul Imp2
202X-BU-HUD	Battery upgrade kit, Matrix EXP
202X-HK-HUD	Housing kit, Matrix EXP
20350-HUD	Assy,Modif. Ejector Sleeve30ul
203X-BU-HUD	Battery upgrade kit,Matrix Equalizer 96
203X-HK-HUD	Housing kit, Matrix Equalizer 96
20426-HUD	Cylinder, 250ul Grey Shorty
20428-HUD	Ejector, 250ul Grey Shorty
20438-HUD	Piston, 1250ul Shorty
2092MX	BATTERIES,RECHARGBL NIMH IMP2
210099-VAN	Screw M2,5x6 DIN 7985 A2 PZ
213X-BU-HUD	Battery upgr.kit,MatrixEqualizer384 8-ch
213X-HK-HUD	Housing kit, Matrix Equalizer 384 8-ch
2201030500-VAN	50 pcs 1030500, O-ring 2,3x1,0
2202660-VAN	Piston assy 40-200
2203130-VAN	Grease tube, 0.5g
2204780-VAN	Handle core 5ul Fixed, Colour
2204790-VAN	Handle core 10ul Fixed, Colour
2204800-VAN	Handle core 20ul Fixed, Colour
2204810-VAN	Handle core 25ul Fixed, Colour
2204820-VAN	Handle core 50ul Fixed, Colour
2204840-VAN	Handle core 200ul Fixed, Colour
2204850-VAN	Handle core 250ul Fixed, Colour
2204860-VAN	Handle core 500ul Fixed, Colour
2205080-VAN	Body 300ul, 4ch Colour
2205511-VAN	Handle core 2ml Fixed HACH LANGE
2205620-VAN	Handle core 0.2-1ml HACH LANGE
2205900-VAN	Module 10ul 8ch, Digital
2205910-VAN	Module 50ul 8ch, Digital
2205930-VAN	Module 50ul 12ch, Digital
2205940-VAN	Module 300ul 12ch, Digital
2206200-VAN	Handle 1ul Fixed, Digital
2206210-VAN	Handle 2ul Fixed, Digital
2206220-VAN	Handle 5ul Fixed, Digital
2206230-VAN	Handle 10ul Fixed, Digital
2206240-VAN	Handle 20ul Fixed, Digital
2206250-VAN	Handle 25ul Fixed, Digital
2206260-VAN	Handle 50ul Fixed, Digital
2206280-VAN	Handle 200ul Fixed, Digital
2206300-VAN	Handle 500ul Fixed, Digital
2206310-VAN	Handle 1000ul Fixed, Digital
2206330-VAN	Handle 3ml Fixed, Digital
2206340-VAN	Handle 5ml Fixed, Digital
2206650-VAN	Handle Mechanism Fisher 0.5 - 10µl

Spare Part Prices for Liquid Handling Products continued

Cat. No.	Description
2206690-VAN	Handle Mechanism Fisher 1 - 5ml
2206700-VAN	Handle Mechanism Fisher 5 - 50µl
2206710-VAN	Handle Mechanism Fisher 50 - 300µl
2206720-VAN	Piston Assembly 5ml Fisher
2206730-VAN	Piston Assembly 10ml Fisher
2206750-VAN	Module Fisher FP-Digital MCP8 5 - 50 µl
2206760-VAN	Module Fisher FP-Digital MCP8 50 - 300 µ
2206770-VAN	Module Fisher FP-Digital MCP12 5 - 50 µl
2206780-VAN	Module Fisher FP-Digital MCP12 50 - 300
2206910-VAN	Module 10ul 12ch, Digital
2207020-VAN	Module 50ul 16ch, Digital
2207150-VAN	Handle Mechanism Fisher 100 - 1000µl
2207160-VAN	Handle Mechanism Fisher 5 - 50µl
2207170-VAN	Handle Mechanism Fisher 0.2 - 2µl
2207180-VAN	Module Fisher FP-Digital MCP8 0.5 - 10 µ
2207190-VAN	Module Fisher FP-Digital MCP12 0.5 - 10
2207360-VAN	Handle 0.2 - 2 µl Fisher FP II
2207370-VAN	Handle 0.5 - 10 µl Fisher FP II
2207380-VAN	Handle 2-20µl Fisher FP II
2207400-VAN	Handle 10-100µl Fisher FP II
2207410-VAN	Handle 20-200µl Fisher FP II
2207430-VAN	Handle 200 - 1000 µl Fisher FP II
2207440-VAN	Handle 1000 - 5000µl Fisher FP II
2207450-VAN	Handle 2000 - 10000µl Fisher FP II
2207460-VAN	Handle 50-300µl Fisher FP II
2207990-VAN	Piston assy 10ul, Novus
2208490-VAN	Handle 10ml Fixed, Focus
2208500-VAN	Handle 5ml Fixed, Focus
2208510-VAN	Handle 3ml Fixed, Focus
2208520-VAN	Handle 2ml Fixed, Focus
2208540-VAN	Handle 500ul Fixed, Focus
2208550-VAN	Handle 250ul Fixed, Focus
2208560-VAN	Handle 200ul Fixed, Focus
2208570-VAN	Handle 100ul Fixed, Focus
2208580-VAN	Handle 50ul Fixed, Focus
2208590-VAN	Handle 25ul Fixed, Focus
2208600-VAN	Handle 20ul Fixed, Focus
2208610-VAN	Handle 10ul Fixed, Focus
2208620-VAN	Handle 5ul Fixed, Focus
2208630-VAN	Handle 2ul Fixed, Focus
2208640-VAN	Handle 1ul Fixed, Focus
2208690-VAN	Module 10ul 8ch MCP, Focus
2208700-VAN	Module 10ul 12ch MCP, Focus
2208710-VAN	Module 50ul 8ch MCP, Focus
2208720-VAN	Module 50ul 12ch MCP, Focus
2208730-VAN	Module 300ul 8ch MCP, Focus
2208740-VAN	Module 300ul 12ch MCP, Focus
2208750-VAN	Module 50ul 16ch MCP, Focus
2208760-VAN	Piston holder 8ch MCP, Focus
2208770-VAN	Piston holder 12ch MCP, Focus
2208840-VAN	Locking pieces (2pcs) MCP, Focus
2208880-VAN	Piston assy 5-50ul MCP, Focus
2208900-VAN	Piston assy 0.5-5ul, Focus STD
2208920-VAN	Piston assy 3-30ul, Focus STD
2209230-VAN	Module 1-10ul 8ch, MCP+ Focus
2209240-VAN	Module 1-10ul 12ch, MCP+ Focus
2209250-VAN	Module 5-50ul 8ch, MCP+ Focus
2209260-VAN	Module 5-50ul 12ch, MCP+ Focus
2209270-VAN	Module 30-300ul 8ch, MCP+ Focus

Cat. No.	Description
2209280-VAN	Module 30-300ul 12ch, MCP+ Focus
2209290-VAN	Module 5-50ul 16ch, MCP+ Focus
2209500-VAN	Module 1-10ul Micro, Novus
2209510-VAN	Module 1-10ul, Novus
2209520-VAN	Module 5-50ul Micro, Novus
2209530-VAN	Module 5-50ul, Novus
2209540-VAN	Module 10-100ul, Novus
2209550-VAN	Module 30-300ul, Novus
2209560-VAN	Module 100-1000ul, Novus
2209570-VAN	Module 0.5-5ml, Novus
2209580-VAN	Module 1-10ml, Novus
22096101-VAN	Main CB assy 1-10ul Micro, Novus
22096102-VAN	Main CB assy 1-10ul Novus
22096103-VAN	Main CB assy 5-50ul Micro, Novus
22096104-VAN	Main CB assy 5-50ul, Novus
22096105-VAN	Main CB assy 10-100ul, Novus
22096106-VAN	Main CB assy 30-300ul, Novus
22096107-VAN	Main CB assy 100-1000ul, Novus
22096108-VAN	Main CB assy 0.5-5ml, Novus
22096109-VAN	Main CB assy 1-10ml, Novus
22096111-VAN	Main CB assy 1-10ul 8ch, Novus
22096112-VAN	Main CB assy 1-10ul 12ch, Novus
22096113-VAN	Main CB assy 5-50ul 8ch, Novus
22096114-VAN	Main CB assy 5-50ul 8ch, Novus
22096115-VAN	Main CB assy 30-300ul 8ch, Novus
22096117-VAN	Main CB assy 5-50ul 16ch, Novus
2209710-VAN	Opto CB assy, Novus
2209800-VAN	Module 1-10ul 8ch, Novus
2209810-VAN	Module 1-10ul 12ch, Novus
2209820-VAN	Module 5-50ul 8ch, Novus
2209830-VAN	Module 5-50ul 12ch, Novus
2209840-VAN	Module 30-300ul 8ch, Novus
2209850-VAN	Module 30-300ul 12ch, Novus
2209860-VAN	Module 5-50ul 16ch, Novus
2209870-VAN	Piston assy 10ul MCP, Novus
2209880-VAN	Piston assy 300ul MCP, F
2209930-VAN	Module 1200ul 8ch, Novus
2209940-VAN	Main switch assy
2209950-VAN	Main CB assy, Novus BL (no SW)
22099501-VAN	Main CB assy 1-10ul Micro, Novus BL
22099502-VAN	Main CB assy 1-10ul Novus BL
22099503-VAN	Main CB assy 5-50ul Micro, Novus BL
22099504-VAN	Main CB assy 5-50ul, Novus BL
22099508-VAN	Main CB assy 0.5-5ml, Novus BL
22099509-VAN	Main CB assy 1-10ml, Novus BL
22099511-VAN	Main CB assy 1-10ul 8ch, Novus BL
22099512-VAN	Main CB assy 1-10ul 12ch, Novus BL
22099513-VAN	Main CB assy 5-50ul 8ch, Novus BL
22099514-VAN	Main CB assy 5-50ul 8ch, Novus BL
22099517-VAN	Main CB assy 5-50ul 16ch, Novus BL
2209980-VAN	Piston assy 10ul 16ch F-series
2210000-VAN	Handle Matrix Manual 1-10µl
2210010-VAN	Tip cone assy Matrix Manual SCP 1-10µl
2210020-VAN	Handle Matrix Manual 10-100µl
2210030-VAN	Tip cone assy Matrix Manual SCP 10-100µl
2210040-VAN	Handle Matrix Manual 20-200µl
2210050-VAN	Tip cone assy Matrix Manual SCP 20-200µl
2210060-VAN	Handle Matrix Manual 100-1000µl
2210070-VAN	Tip cone assy Matrix Manual SCP 100-1000

Cat. No.	Description
2210080-VAN	Handle Matrix Manual 5-50µl
2210090-VAN	Handle Matrix Manual 30-300µl
2210100-VAN	Handle 1-10ul universal, F3
2210110-VAN	Handle 2-20ul universal, F3
2210120-VAN	Handle 10-100ul, F3
2210130-VAN	Handle 20-200ul, F3
2210140-VAN	Handle 100-1000ul, F3
22101440-VAN	Tip cone assy 200ul, A2
2210150-VAN	Handle 1-10ml, F3
2210160-VAN	Handle 5ul Fixed, F3
2210170-VAN	Handle 10ul Fixed, F3
2210180-VAN	Handle 25ul Fixed, F3
2210190-VAN	Handle 50ul Fixed, F3
2210200-VAN	Handle 100ul Fixed, F3
2210210-VAN	Handle 250ul Fixed, F3
2210220-VAN	Handle 500ul Fixed, F3
2210230-VAN	Handle 1000ul Fixed, F3
2210240-VAN	Tip cone assy 10ul universal, F3
2210250-VAN	Tip cone assy 20ul universal, F3
2210260-VAN	Tip cone assy 100ul, F3
2210270-VAN	Tip cone assy 200ul, F3
2210280-VAN	Tip cone assy 1000ul, F3
2210290-VAN	Tip cone assy 10ml, F3
2210300-VAN	Piston 10ul F-series
2210310-VAN	Piston assy 20ul F-series
2210380-VAN	Tip cone assy 10ul Micro, F3
2210390-VAN	Tip cone assy 20ul Micro, F3
2210430-VAN	Handle 1-10ul Micro, F3
2210440-VAN	Handle 2-20ul Micro, F3
2210450-VAN	Handle 1ul Fixed, F3
2210460-VAN	Cap yellow, F3
2210470-VAN	Cap blue, F3
2210480-VAN	Cap red, F3
2210490-VAN	Cap pink, F3
2210500-VAN	Cap turquoise, F3
2210510-VAN	Handle 1µl Fisher FP II Fixed Volume
2210520-VAN	Handle 2µl Fisher FP II Fixed Volume
2210530-VAN	Handle 5 µl Fisher FP II Fixed Volume
2210540-VAN	Handle 10 µl Fisher FP II Fixed Volume
2210550-VAN	Handle 20 µl Fisher FP II Fixed Volume
2210560-VAN	Handle 25 µl Fisher FP II Fixed Volume
2210570-VAN	Handle 50 µl Fisher FP II Fixed Volume
2210580-VAN	Handle 100 µl Fisher FP II Fixed Volume
2210590-VAN	Handle 200 µl Fisher FP II Fixed Volume
2210600-VAN	Handle 250µl Fisher FP II Fixed Volume
2210610-VAN	Handle 500µl Fisher FP II Fixed Volume
2210620-VAN	Handle 1000µl Fisher FP II Fixed Volume
2210630-VAN	Handle 2ml Fisher FP II Fixed Volume
2210640-VAN	Handle 3ml Fisher FP II Fixed Volume
2210650-VAN	Handle 5ml Fisher FP II Fixed Volume
2210660-VAN	Handle 10ml Fisher FP II Fixed Volume
2210670-VAN	Cap dark blue, F3
2210680-VAN	Module Matrix Manual MCP8 1-10µl
2210690-VAN	Module Matrix Manual MCP12 1-10µl
2210860-VAN	Module Matrix Manual MCP8 5-50µl
2210870-VAN	Module Matrix Manual MCP12 5-50µl
2210880-VAN	Module Matrix Manual MCP8 30-300µl
2210890-VAN	Module Matrix Manual MCP12 30-300µl
2210930-VAN	Module Matrix Manual MCP16 5-50µl

Cat. No.	Description
2211370-VAN	Handle 1-10ul, A2
2211380-VAN	Tip cone assy 10ul, A2
2211390-VAN	Handle 2-20ul, A2
2211400-VAN	Tip cone assy 20ul, A2
2211410-VAN	Handle 10-100ul, A2
2211420-VAN	Tip cone assy 100ul, A2
2211430-VAN	Handle 20-200ul, A2
2211450-VAN	Handle 100-1000ul, A2
2211460-VAN	Tip cone assy 1000ul, A2
2211470-VAN	Handle 1-10ml, A2
2211480-VAN	Tip cone assy 10ml, A2
2211490-VAN	Piston assy 1-10ml, A2
2211860-VAN	Piston assy MCP 10ul F-series
2211870-VAN	Piston 2ul F-series
2211880-VAN	Piston 5ul F-series
2212080-VAN	Tip ejector pusher upper part F1
2212081-VAN	Tip ejector pusher upper part F1-CT
2212250N-VAN	Tip cone assy 5ml, F1 Locked
2212260N-VAN	Tip cone assy 10ml, F1 Locked
2212330N-VAN	Module 10ul 8ch, F1 Locked
2212340N-VAN	Module 10ul 12ch, F1 Locked
2212350N-VAN	Module 50ul 8ch, F1 Locked
2212360N-VAN	Module 50ul 12ch, F1 Locked
2212370N-VAN	Module 100ul 8ch, F1 Locked
2212380N-VAN	Module 100ul 12ch, F1 Locked
2212390N-VAN	Module 300ul 8ch, F1 Locked
2212400N-VAN	Module 300ul 12ch, F1 Locked
2212410N-VAN	Module 10ul 16ch, F1 Locked
2212420N-VAN	Module 50ul 16ch, F1 Locked
2212600-VAN	Piston assy 5ml F1
2212610-VAN	Module Matrix Manual MCP16 1-10µl
2212630-VAN	Tip cone assy Matrix MCP10µl 12pcs
2212640-VAN	Tip cone assy Matrix MCP50µl 12pcs
2212650-VAN	Tip cone assy Matrix MCP10µl-16ch 8pcs
2212660-VAN	Tip cone assy Matrix MCP50µl-16ch 8pcs
2212720-VAN	Main CB, Novus BL HD (no SW)
22127201-VAN	Main CB Assy Novus SCP 1-10ul Micro BL H
22127202-VAN	Main CB Assy Novus SCP 1-10ul BL HD
22127203-VAN	Main CB Assy Novus SCP 5-50ul Micro BL H
22127205-VAN	Main CB Assy Novus SCP 10-100ul BL HD
22127207-VAN	Main CB Assy Novus SCP 100-1000ul BL HD
22127208-VAN	Main CB Assy Novus SCP 0.5-5ml BL HD
22127209-VAN	Main CB Assy Novus SCP 1-10ml BL HD
22127211-VAN	Main CB Assy Novus MCP8 1-10ul BL HD
22127212-VAN	Main CB Assy Novus MCP12 1-10ul BL HD
22127213-VAN	Main CB Assy Novus MCP8 5-50ul BL HD
22127214-VAN	Main CB Assy Novus MCP12 5-50ul BL HD
22127215-VAN	Main CB Assy Novus MCP8 30-300ul BL HD
22127216-VAN	Main CB Assy Novus MCP12 30-300ul BL HD
22127217-VAN	Main CB Assy Novus MCP16 5-50ul BL HD
22127221-VAN	Main CB 20-300ul 8ch, Novus i, Spare par
22127222-VAN	Main CB 20-300ul 12ch, Novus i, Spare pa
2212830-VAN	Tip Ejector 1-10ul 8ch F1
2212840-VAN	Tip Ejector 1-10ul 12ch F1
2212850-VAN	Tip Ejector 8ch F1
2212860-VAN	Tip Ejector 12ch F1
2212880-VAN	Handle 30-300ul F3
2212890-VAN	Module 50ul 8ch F3
2212900-VAN	Module 50ul 12ch F3

Spare Part Prices for Liquid Handling Products continued

Cat. No.	Description
2212910-VAN	Module 300ul 8ch F3
2212920-VAN	Module 300ul 12ch F3
2212930-VAN	Cap orange F3
2212940-VAN	Handle 5-50ul Micro, F3
2212950-VAN	Tip cone assy 50ul Micro, F3
2212960-VAN	Handle 5-50ul, F3
2212970-VAN	Tip cone assy 50ul Universal, F3
2212990-VAN	Tip cone assy 50ul Micro, F2
2213010-VAN	Tip cone assy 50ul Universal, F2
2213020-VAN	Handle 5-50ul Micro, F1
2213030-VAN	Tip cone assy 50ul Micro, F1
2213040-VAN	Handle 5-50ul universal, F1
2213050-VAN	Tip cone assy 50ul universal, F1
2213060-VAN	Piston assy MCP 100ul F-series
2213090-VAN	Handle 20ul Fixed, F1
2213100-VAN	Handle 200ul Fixed, F1
2213110-VAN	Handle 20ul Fixed, F2
2213120-VAN	Handle 200ul Fixed, F2
2213160-VAN	Handle 0,2-2ul Micro F2
2213170-VAN	Handle 0,5-5ul Micro F2
2213180-VAN	Handle 1-10ul Micro F2
2213190-VAN	Handle 1-10ul Universal F2
2213200-VAN	Handle 2-20ul Micro F2
2213210-VAN	Handle 2-20ul Universal F2
2213220-VAN	Handle 10-100ul F2
2213230-VAN	Handle 20-200ul F2
2213240-VAN	Handle 100-1000ul F2
2213250-VAN	Handle 0,5-5ml F2
2213260-VAN	Handle 1-10ml F2
2213270-VAN	Handle 5-50ul Universal F2
2213280-VAN	Handle 30-300ul F2
2213290-VAN	Handle 10ul 16ch F2
2213300-VAN	Handle 5-50ul Micro F2
2213330-VAN	Handle 1ul Fixed F2
2213340-VAN	Handle 5ul Fixed F2
2213350-VAN	Handle 10ul Fixed F2
2213360-VAN	Handle 25ul Fixed F2
2213370-VAN	Handle 50ul Fixed F2
2213380-VAN	Handle 100ul Fixed F2
2213390-VAN	Handle 250ul Fixed F2
2213400-VAN	Handle 500ul Fixed F2
2213410-VAN	Handle 1000ul Fixed F2
2213420-VAN	Handle 2ml Fixed F2
2213430-VAN	Handle 3ml Fixed F2
2213440-VAN	Handle 5ml Fixed F2
2213450-VAN	Handle 10ml Fixed F2
2213620-VAN	Module 10ul 8ch F1-CT
2213620N-VAN	Module 10ul 8ch F1-CT Grey
2213630-VAN	Module 50ul 8ch F1-CT
2213630N-VAN	Module 50ul 8ch F1-CT Grey
2213640-VAN	Module 100ul 8ch F1-CT
2213640N-VAN	Module 100ul 8ch F1-CT Grey
2213650-VAN	Module 300ul 8ch F1-CT
2213650N-VAN	Module 300ul 8ch F1-CT Grey
2213660-VAN	Module 10ul 12ch F1-CT
2213660N-VAN	Module 10ul 12ch F1-CT Grey
2213670-VAN	Module 50ul 12ch F1-CT
2213670N-VAN	Module 50ul 12ch F1-CT Grey
2213680-VAN	Module 100ul 12ch F1-CT

Cat. No.	Description
2213680N-VAN	Module 100ul 12ch F1-CT Grey
2213690-VAN	Module 300ul 12ch F1-CT
2213690N-VAN	Module 300ul 12ch F1-CT Grey
2213740-VAN	Piston assy 10ul MCP F1-CT
2213750-VAN	Piston assy 50ul MCP F1-CT
2213770-VAN	Piston assy 300ul MCP F1-CT
2213780-VAN	Tip ejector assy 1-300/8-ch F1-CT
2213780N-VAN	Tip ejector assy 1-300/8-ch F1-CT Grey
2213790-VAN	Tip ejector assy 1-300/12-ch F1-CT
2213790N-VAN	Tip ejector assy 1-300/12-ch F1-CT Grey
2213940-VAN	Handle 1-10ml, Well
2213950-VAN	Handle 100-1000ul, Well
2213960-VAN	Handle 20-200ul, Well
2213970-VAN	Handle 2-20ul, Well
2213980-VAN	Handle 1-10ul, Well
2214000-VAN	Handle 1-10ul, F1-CT
2214000S-VAN	HANDLE 1-10UL, F1-CT SLIM
2214010-VAN	Handle 2-20ul, F1-CT
2214010S-VAN	HANDLE 2-20UL, F1-CT SLIM
2214020-VAN	Handle 5-50µl, F1-CT
2214020S-VAN	HANDLE 5-50?L, F1-CT SLIM
2214030-VAN	Handle 10-100ul, F1-CT
2214030S-VAN	HANDLE 10-100UL, F1-CT SLIM
2214040-VAN	Handle 20-200ul, F1-CT
2214040S-VAN	HANDLE 20-200UL, F1-CT SLIM
2214050-VAN	Handle 30-300ul, F1-CT
2214050S-VAN	HANDLE 30-300UL, F1-CT SLIM
2214060-VAN	Handle 100-1000ul, F1-CT
2214070-VAN	Handle 1ul Fixed, F1-CT
2214070S-VAN	HANDLE 1UL FIXED, F1-CT SLIM
2214080-VAN	Handle 5ul Fixed, F1-CT
2214080S-VAN	HANDLE 5UL FIXED, F1-CT SLIM
2214090-VAN	Handle 10ul Fixed, F1-CT
2214090S-VAN	HANDLE 10UL FIXED, F1-CT SLIM
2214100-VAN	Handle 20ul Fixed, F1-CT
2214100S-VAN	HANDLE 20UL FIXED, F1-CT SLIM
2214110-VAN	Handle 25ul Fixed, F1-CT
2214110S-VAN	HANDLE 25UL FIXED, F1-CT SLIM
2214120-VAN	Handle 50ul Fixed, F1-CT
2214120S-VAN	HANDLE 50UL FIXED, F1-CT SLIM
2214130-VAN	Handle 100ul Fixed, F1-CT
2214130S-VAN	HANDLE 100UL FIXED, F1-CT SLIM
2214140-VAN	Handle 200ul Fixed, F1-CT
2214140S-VAN	HANDLE 200UL FIXED, F1-CT SLIM
2214150-VAN	Handle 250ul Fixed, F1-CT
2214150S-VAN	HANDLE 250UL FIXED, F1-CT SLIM
2214160-VAN	Handle 500ul Fixed, F1-CT
2214170-VAN	Handle 1000ul Fixed, F1-CT
2214180-VAN	Tip cone assy 10ul, F1-CT
2214190-VAN	Tip cone assy 20ul, F1-CT
2214200-VAN	Tip cone assy 5-50µl F1-CT
2214210-VAN	Tip cone assy 100ul, F1-CT
2214220-VAN	Tip cone assy 200ul, F1-CT
2214230-VAN	Tip cone assy 300ul, F1-CT
2214240-VAN	Tip cone assy 1000ul, F1-CT
2214300-VAN	Piston assy 10ul F1-CT
2214310-VAN	Piston assy 20ul F1-CT
2214320-VAN	Tip-Fitting assy 300 F1-CT
2214330-VAN	Tip-Fitting assy 1000 F1-CT

Cat. No.	Description
2214390-VAN	Tip cone assy 10ul, 12pcs F1-CT
2214400-VAN	Tip cone assy 50ul, 12pcs F1-CT
2214410-VAN	Tip cone assy 100ul, 12pcs F1-CT
2214420-VAN	Tip cone assy 300ul, 12pcs F1-CT
2214450-VAN	Tip cone assy 2ul, FB3
2214460-VAN	Tip cone assy 5ul, FB3
2214470-VAN	Tip cone assy 10ul, FB3
2214480-VAN	Tip cone assy 20ul, FB3
2214490-VAN	Tip cone assy 50ul, FB3
2214500-VAN	Tip cone assy 100ul, FB3
2214510-VAN	Tip cone assy 200ul, FB3
2214520-VAN	Tip cone assy 1000ul, FB3
2214530-VAN	Tip cone assy 5ml, FB3
2214540-VAN	Tip cone assy 10ml, FB3
2214550-VAN	Cap Blue FB3
2214560-VAN	Handle 1-10ul Micro, FB3
2214580-VAN	Handle 0.2-2ul Micro, FB3
2214590-VAN	Handle 0.5-5ul Micro, FB3
2214600-VAN	Handle 5-50ul, FB3
2214610-VAN	Handle 10-100ul, FB3
2214620-VAN	Handle 20-200ul, FB3
2214630-VAN	Handle 100-1000ul, FB3
2214640-VAN	Handle 0.5-5ml, FB3
2214650-VAN	Handle 1-10ml, FB3
2214660-VAN	Handle 2-20ul, FB3
2214670-VAN	Module 1-10ul Micro 8ch, FB3
2214680-VAN	Module 5-50ul 8ch, FB3
2214690-VAN	Module 10-100ul 8ch, FB3
2214700-VAN	Module 30-300ul 8ch, FB3
2214710-VAN	Module 1-10ul Micro 12ch, FB3
2214720-VAN	Module 5-50ul 12ch, FB3
2214730-VAN	Module 10-100ul 12ch, FB3
2214740-VAN	Module 30-300ul 12ch, FB3
2214750-VAN	Handle 30-300ul, FB3
2214770-VAN	Cap green, F3
2214780-VAN	Handle 0.5-5ml, F3
2214800-VAN	Tip cone assy 5ml, F3
2214820-VAN	Main PCB assy w display E1
2214830-VAN	Cylinder Block 300 12ch E1
2214835-VAN	Cylinder Block 300 8ch E1
2214860-VAN	Cylinder Block 850 12ch E1
2214890-VAN	Cylinder Block 1250 8ch E1
2214920-VAN	Tip Fitting 300 O-ring 12pcs
2214930-VAN	Tip Fitting 300 O-ring 3pcs
2214945-VAN	Tip Fitting O-ring 12pcs 1250ul E1
2214970-VAN	Scale Assy 3 (9-14.2) orange E1
2215020-VAN	Cam Shaft Assy E1
2215030-VAN	Scale Assy 1 (4.5-14.2) pink E1
2215060-VAN	Tip Ejector 300 Assy E1
2215070-VAN	Tip Ejector 1250 Assy E1
2215100-VAN	Scale Assy 2 (4.5-9) pink E1
2215180-VAN	Motor Assy MCP E1
2215190-VAN	Battery Lid Assy grey E1
2215260-VAN	Cylinder Block 12.5 8ch E1
2215270-VAN	Cylinder Block 12.5 12ch E1
2215280-VAN	Cylinder Block 12.5 16ch E1
2215300-VAN	Cylinder Block 125 16ch E1
2215310-VAN	Cylinder Block 125 12ch E1
2215320-VAN	Cylinder Block 125 8ch E1

Cat. No.	Description
2215360-VAN	Cylinder Block 30 8ch E1
2215370-VAN	Cylinder Block 30 12ch E1
2215380-VAN	Cylinder Block 30 16ch E1
2215430-VAN	Ejector rod assy 1 E1
2215440-VAN	Ejector rod assy 2 E1
2215460-VAN	Cylinder Block 1250 6ch E1
2215480-VAN	Scale Assy 4 (9-19.8) 6ch E1
2215520-VAN	Handle 0.5-5ml, Well
2215530-VAN	Tip cone assy 5ml Well
2215540-VAN	Tip Fitting 1000 O-ring 3pcs
2215550-VAN	Tip cone assy 2ul, F3
2215560-VAN	Handle 0.2-2ul Micro F3
2215570-VAN	Tip cone assy 1250ul SCP E1
2215580-VAN	Tip cone assy 300ul SCP E1
2215590-VAN	Tip cone assy 125ul SCP E1
2215610-VAN	Tip cone assy 12.5ul SCP E1
2215640-VAN	Battery assy E1
2215650-VAN	Motor Assy SCP E1
2215740-VAN	Scale Assy 3 (9-14.2) yellow E1
2215750-VAN	Scale Assy 3 (9-14.2) turquoise E1 E1
2215760-VAN	Scale Assy 1 (4.5-14.2) violet E1
2215770-VAN	Scale Assy 1 (4.5-14.2) yellow E1
2215780-VAN	Scale Assy 2 (4.5-9) violet E1
2215790-VAN	Scale Assy 2 (4.5-9) yellow E1
2215870-VAN	Tip Fitting tool E1
2215910-VAN	Screw set SCP E1
2215920-VAN	Screw set MCP handle E1
2215930-VAN	Tube set 12.5-30 E1 (16 pcs)
2215940-VAN	Tube set 125-1250 E1 (16 pcs)
2215950-VAN	TF Assy 8ch Fix 384 E1
2215960-VAN	TF Assy 12ch Fix 384 E1
2215970-VAN	TF Assy 16ch Fix 384 E1
2215980-VAN	TF Assy 8ch Fix 96 E1
2215990-VAN	TF Assy 12ch Fix 96 E1
2216000-VAN	TF Assy 8ch 1250 Fix E1
2216010-VAN	TF Assy 12ch 850 Fix E1
2216020-VAN	TF Assy 6ch 1250 Eq E1
2216030-VAN	TF Assy 8ch 1250 Eq E1
2216040-VAN	TF Assy 8ch 96 Eq E1
2216050-VAN	TF Assy 8ch 384 Eq E1
2216060-VAN	TF Assy 12ch 384 Eq E1
2216070-VAN	Tip Ejector MCP Assy E1
2216080-VAN	Tip Cone Assy 10ul Slim F1 CT
2216080N-VAN	Tip cone assy 10ul Slim, F1-CT Grey
2216090-VAN	Tip Cone Assy 20ul Slim F1 CT
2216090N-VAN	Tip cone assy 20ul Slim, F1-CT Grey
2216100-VAN	Tip Cone Assy 5-50ul Slim F1 CT
2216100N-VAN	Tip cone assy 5-50ul Slim F1 CT Grey
2216110-VAN	Tip Cone Assy 100ul Slim F1 CT
2216110N-VAN	Tip cone assy 100ul Slim F1-CT Grey
2216120-VAN	Tip Cone Assy 200ul Slim F1 CT
2216120N-VAN	Tip cone assy 200ul Slim F1-CT Grey
2216130-VAN	Tip Cone Assy 300ul Slim F1 CT
2216130N-VAN	Tip cone assy 300ul Slim F1-CT Grey
2216160-VAN	Tip Fitting 300 Assy 4pcs F1CT E1
2216170-VAN	Tip Fitting 300 Assy 8pcs F1CT E1
2216180-VAN	Tip Fitting 300 Assy 12pcs F1CT E1
2216190-VAN	Tip Fitting 1250 Assy 4pcs F1CT E1
2216220N-VAN	Tip cone assy 3.5 1000ul F1-CT Grey

Spare Part Prices for Liquid Handling Products continued

Cat. No.	Description
2216250-VAN	Pusher upper part F1 Locked
2216260-VAN	Pusher upper part F1 CT Locked
2216300-VAN	Tip Ejector 1-10ul 8ch F1 locked
2216310-VAN	Tip Ejector 1-10µ 12ch F1 Locked
2216320-VAN	Tip Ejector 8ch F1 Locked
2216330-VAN	Tip Ejector 12ch F1 Locked
22252-HUD	PC Board Multi/16 ch
22276-HUD	Housing,CellmateII left clear
22277-HUD	Housing,CellMateII rght clear
22278-HUD	Gripper,pipette
22280-HUD	Pipette gripper housing
22291-HUD	Trigger, Fill, Cellmate II
22291-N-VAN	Trigger New, Fill, S1 new
22294-HUD	PCB,main CellMate II
22295-HUD	Keypad,rubber CellMate II
22297-HUD	Lens, CellMate II
22298-HUD	Backlight,CellMate II
223X-BU-HUD	BatteryUpgr.kit,MatrixEqualizer384 12-ch
223X-HK-HUD	Housing kit, Matrix Equalizer 384 12-ch
22552-HUD	Assy, Main Board Single Ch
22555-HUD	Assy, Cons Cover Imp 2 Multi
22558-HUD	Assy, Cons Cover, Shorty Imp 2
22560-HUD	Assy, Cons Cover Single Imp 2
22578-VAN	Screw,6 x .75 housing plastit
22590-HUD	Tubing,pvc Cellmate
22595-VAN	Connector,tube 1/16"
22596-HUD	Pad,felt adhesive back
22609-HUD	Fitting End 12.5ul Equal. Mold
22611-HUD	Fitting End 30ul Equal. Molded
22613-HUD	Fitting End 125ul Equal. Mold
22617-HUD	Fitting End 1250ul Equal. Mold
22640-VAN	Valve Assy with triggers, S1 new
22641-HUD	Assy,valve/trigger
22641-N-VAN	Assy, valve body, S1 new
22642-HUD	Assy,motor/pump
22643-HUD	Cable,motor assy CellMate II
22676-HUD	Assy, Manifold Mach. Peek 12ch
22678-A-VAN	Housing assy, S1 pipet filler, white
22678-HUD	Housing,CellMate II left white
22679-HUD	Housing,CellMateII right white
22680-HUD	Housing,CellMateII left red
22681-HUD	Kousing,CellMateII rght red
22682-A-VAN	Housing assy, S1 pipet filler, green
22682-HUD	Housing,CellMateII left green
22683-HUD	Housing,CellMateII rght green
22684-A-VAN	Housing assy, S1 pipet filler, blue
22684-HUD	Housing,CellMateII left blue
22685-HUD	Housing,CellMateII rght blue
22687-HUD	Spring, Cellmate II
22688-VAN	BATTERY, LITHIUM W/CONN. FP
22692-HUD	Spacer, Battery, Symetric
22693-HUD	Battery, Rechargeable NiMH
23165-HUD	Assy, Drive Board Li-Lon Zenon
23193-HUD	Jack Shroud 16 Channel
23202-N-VAN	Trigger new, dispense, S1 new
23202MX	TRIGGER, DISPENSE, CELLMATE II
23206-HUD	Assy,Piston Adapter 12.5ul
23210-HUD	Assy,Piston Adapter 12.5ul
23217-HUD	Assy,Piston Adptr 12.5ul Short

Cat. No.	Description
23218-HUD	Assy,Piston Adapter 30ul
23237-HUD	Assy, Console Cover Biolog
23239-HUD	Assy Programmed B0 1.3
23318-HUD	Trigger, Single Channel White
23319-HUD	Trigger, Ejector Single Ch Wh
23320-HUD	Housing, Single Channel Blue
23321-HUD	Console Cover, Single Ch Blue
23323-HUD	Assy, Console Cover, S Ch Blu
23324-HUD	Assy, Collet Prtd 250ul S Blue
23325-HUD	Assy, Collet Prtd 1250ul S Bl
23461-HUD	Assy, Bayer Console Cover
23468-HUD	Assy, BD Console Cover, Coated
23469-HUD	Assy, Driver Bd, Coated
23598-HUD	Assy bd probetec et cvr print
23599-HUD	Assy bd cnsl cvr new logo
23704-HUD	Assy, cons cvr equalizer print
25795-HUD	Cover, Console, ISC, Printed
25796-HUD	Prog, Cordless Cover, Console
25814-HUD	Impact Box
25921-HUD	Assy, Console CVR Single Ch
25927-HUD	Impact Console Cover Assy
25931-HUD	Shield, P.C. Bd Vinyl
25975-HUD	Spacer, Battery, Symmetric
2900580-VAN	Maintenance Pliers
3300200-VAN	Grease bag, 1g, PI 83-271
412450-VAN	Limiter ring 5ml BioC
412460-VAN	Limiter ring 10ml BioC
4421230-VAN	Suction tube 30&60ml
4580660-VAN	Charger EUR, BioMate
4580670-VAN	Charger UK, BioMate
4580680-VAN	Charger USA, BioMate
4580690-VAN	Charger Japan, BioMate
4580700-VAN	Charger Australia, BioMate
9064MX	NOSEPIECE,CELLMATEII
9068-HUD	POWER SUPPLY, Cellmate 2
LT0200040	SCREW
LT0202010	SCREW 2.2 X 6
LT0202011	SCHRAUBE 2,2X6
LT0202020	SCREW, 2, 2X8mm BIOCONTROL & STEPPER
LT0202021	SCREW PLASTITE BN82428 2.2*8
LT0202040	SCREW, 2, 2X12mm BIOCONTROL
LT0202041	ASSEMBLY SCREW
LT0202061	SCREW
LT0202130	SCHRAUBE 2,2X16
LT0210088	SCHRAUBE M2X4
LT0210098	SCHRAUBE M 2,5 X 8
LT0212181	SCREW
LT0212281	SCREW
LT0213218	SCHRAUBE
LT1011371	NAME LABEL
LT1012200	Isolation sheet Novus
LT1030010	O RING 50-200UL:FV FV2 VV
LT1030020	O-RING 200-1000 uL
LT1030040	O-RING 5-200 UL
LT1030070	O-RING
LT1030090	O-RING 1-5 UL
LT1030140	O-Ring 4,5 x 1,5 EPDM 70 S
LT1030160	O-RING 40-200 uL
LT1030230	O-RING 16x2,0 EPDM 70S



Cat. No.	Description
LT1030260	O-RING, 5-300 uL
LT1030280	O RINGS FOR DRIVE W
LT1030480	O-RING, 5-50 uL
LT1030500	O RING, 5-50 uL
LT1030510	O-RING 10-100 uL
LT1030570	Sealing 0.3-3 ul FP-FOCUS
LT1030590	O-RING
LT1030880	O-RING F MC STEPPER
LT1033050	O-RING 2-10ML
LT1033060	O RING, 5-50 uL
LT1033070	O-RING 2.9 X 1.78
LT1033110	O-RING 2-20uL FP DIG
LT1033180	O-RING 4.48 X 1.78 EPDM
LT1033190	O-RING 1.8 X 1.2 EPDM
LT1033330	O-RENGAS 4,70X142 EPDM70 SHORE PEROKS
LT1050439	THUMB BUTTON (SPECIFY VOL
LT1050490	THUMB BUTTON
LT1050500	CALIBRATION SCREW
LT1050520	STOPPER
LT1050590	GRIPPY
LT1050680	HANDLE
LT1050690	HANDLE 5-50 UL VV
LT1050700	HANDLE 50-200UL VV
LT1050710	HANDLE 200-1000
LT1050720	THUMB BUTTON SHAFT
LT1050730	T.B. SHAFT 1-5ML OLD
LT1051010	O-RING CAP (1-5 UL)
LT1051020	O-RING CAP 5-50 UL
LT1051030	O-RING CAP 200-1000
LT1051060	LOWER TIP CONE 1-5 uL
LT1051080	TIP CONE W/O TIP EJECTOR
LT1051090	TIP CONE W/O TE
LT1051100	TIP CONE W/O TE
LT1051120	TIP CONE 1-5 ML
LT1051140	TRANSPARENT RING OLD
LT1051150	LOCKING RING
LT1051170	TIP CONE 5-50UL W/TE
LT1051190	TIP CONE 200-1000 WTE
LT1051200	O-RING CAP 50-200
LT1051210	TE SHAFT 5-2000
LT1051220	TE SHAFT 200-1000
LT1051271	TIP EJECTOR PUSHES
LT1051330	TE PUSHER FOR R/B TITERTE
LT1051580	TIP EJCTR COMB 4CH
LT1051590	TIP EJCTR COMB 8CH
LT1051600	TIP RELEASE OPER. PLATE
LT1051630	PVC-FILTER
LT1051650	CYLINDER
LT1051760	O-RING CAP
LT1051770	TIP END 6 CHANNEL (CYL.BL
LT1051930	TIP CONE 5-50 W/O TE
LT1051970	GAUGE SHAFT 5-50 TE
LT1052010	TIP CONE (51-200 UL) W/O
LT1052040	GAUGE SHAFT 50-200 TE
LT1052110	GAUGE SHAFT 200-1000T
LT1052350	GAUGE SHAFT 5-50UL
LT1052380	GAUGE SHAFT 50-200UL
LT1052530	UPPER TIP CONE
LT1052650	GAUGE SHAFT 50-250UL

Cat. No.	Description
LT1052690	TIP CONE 5-50
LT1052700	TE SHAFT 200-1000 uL
LT1052760	TE PUSHER
LT1052830	CALIBRATION TOOL
LT1053430	GEAR RACK
LT1053440	FILLING LEVER
LT1053450	Gear Wheel, Multistepper
LT1053840	PISTON 40-200 uL
LT1053860	O-RING CAP 40-200 uL
LT1053870	SPRING SUPPORT 5-40
LT1053940	PUSH BUTTON
LT1054190	INDEX SPRING
LT1054230	LOCKING RING 1-5 ML
LT1054241	GAUGE SHAFT 1-5 ML
LT1054260	O-RING CAP 200-1000 uL
LT1054510	BODY ADAPTER FOR MULTI- CHANNEL COLOR
LT1054523	4-CH PISTON HOLDER 50-300
LT1054621	TITERTEK TIP EJECTOR
LT1054630	TE COMB 4CH DIG. (OLD)
LT1054640	TE COMB 8CH DIG. (OLD)
LT1054650	TITERTEK 12CH TIP EJ COMB
LT1054820	TIP EJECTOR HOLDER
LT1054901	HANDLE 1-5 ML
LT1054951	LOWER TE PUSHER
LT1055060	DISPENSING LEVER
LT1055301	HANDLE FRONT SECTION
LT1055870	TIP EJECTOR PLATE
LT1055890	TIP EJECTOR PUSHER TOOL
LT1055960	4-CH BODY ASSY COVER
LT1055970	8-CH BODY ASSY COVER
LT1055980	12-CH BODY ASSY COVER
LT1055990	4-CH TE PLATE
LT1056000	8-CH TE PLATE
LT1056010	12-CH TE PLATE
LT1056030	MCP COLLAR 5-50 uL
LT1056040	COLLAR 50-300 ul
LT1056090	8-CH TIP CONE HOLDER 5-50
LT1056100	12-CH TIP CONE HOLDER 5-5
LT1056120	8-CH TIP CONE HOLDER50-300
LT1056130	12-CH TIP CONE HOLDER
LT1056150	MCP CAP
LT1056170	TIP EJECTOR PART 1
LT1056630	SPRING SUPPORT TECHPETTE
LT1057000	RING
LT1057190	LIMITER - NLA REFER TO LABSYTEMS
LT1057480	PCR DIGITAL -KAPPE,ORAU-
LT1057490	PCR DIGITAL -KAPPE,ORANGE-
LT1057500	PCR DIGITAL -KAPPE,GELB- 40-200 uL
LT1057700	TIP EJECTOR PUSHER
LT1057740	TIP EJECTOR SHAFT 1001-50
LT1057790	TIP EJECTOR BEAM VARICHAN
LT1057800	EJECTOR BUSHING
LT1057810	EJECTOR COVER
LT1057820	LOCKING PART VARICHANNEL
LT1057830	TIP EJECTOR SQUARE
LT1057840	TIP EJECTOR SQUARE
LT1058170	SPANNER WRENCH
LT1058350	GRIPPY
LT1058480	TIP EJECTOR PLUNGER

Spare Part Prices for Liquid Handling Products continued

Cat. No.	Description
LT1058490	TIP EJECTOR, MCP
LT1058530	TIP EJECTOR PUSHER
LT1058550	TIP EJECTOR UPPER PART
LT1058790	PCR TIP CONE 25UL
LT10588000	TIP CONE
LT10588011	PCR TIP CONE COVER
LT10588030	PCR HANDLE BACK
LT10588270	TIP CONE 200-1000UL ACL
LT10588280	TIP CONE 40-200 FP ACL
LT10588290	TIP CONE 5-40UL ACL
LT10588300	TIP EJECTOR 5 ACL
LT10588310	CYLINDER 5 ACL
LT105883908	TIP EJECTOR 200-1000UL FP
LT10588511	Body, Multistep
LT10588521	COVER, MULTISTEP
LT10588531	FP STEPPER VOLUME DIAL
LT10588540	DISP. - LEVER
LT10588550	TOOTHED RACK
LT10588560	FILLING LEVER
LT10588570	SELECTOR SLIDE (STEPPER)
LT1058860	LOADING LEVER
LT10588690	TIP EJECTOR 200-1000 ACL
LT10588700	TIP EJECTOR ACL
LT10588720	HANDLE 5-40 µl COLOUR
LT10588730	HANDLE 40-200 TECHPETTE
LT10588753	TE PUSHER 0.5-10 TECHPETT
LT105887601	Tip Ejector Pusher
LT10588763	TE PUSHER 5-40 TECHPETTE
LT10588765	TIP EJECTOR PUSHER BLUE
LT10588776	TIP EJECTOR PUSHER 5-50uL
LT105887812	TIP EJECTOR PUSHER 100-1000µl
LT10588786	TECHPETTE MULTICHANNEL TI
LT10588790	LOWER TIP CONE TECHPETTE
LT10588800	UPPER TIP CONE TECHPETTE 0.5 - 40 uL
LT10588810	TIP CONE 40-200 TECHPETTE
LT10588820	TIP CONE 200-1000 TECHPET
LT10588830	Tip Ejector Shaft (0.5-200ul)
LT10588840	TE SHAFT 200-1000 TECHPET
LT10588850	PUSH CAP WHITE TECHPETTE
LT10588880	TIP EJECTOR BUSHING
LT10588940	TIP EJECTOR PUSHER ACL
LT10588980	TIP EJECTOR ACL
LT10589032	TIP EJECTOR
LT10589060	SPRING SUPPORT
LT10589070	PIPETTE SERVICE TOOL
LT10589150	PISTON HOLDER BIOCONTROL
LT10589160	TIP CONE (EZ/300ML/12CHN)
LT10589170	PISTON 300mL BIOCONTROL
LT10589180	PISTON 300UL
LT10589191	HANDLE COVER A
LT10589192	HANDLE COVER B
LT10589200	HANDLE COVER B
LT10589211	DISPLAY LENS BIOCONTROL
LT10589230	SPEED BUTTON
LT10589240	LATCH
LT10589260	COVER EZ BIOCONTROL
LT10589270	COVER EZ BIO CONTROL
LT10589280	TIP EJECTOR MCP 8CH
LT10589281	TIP EJECTOR EZBIO 300

Cat. No.	Description
LT10589282	TIP EJECTOR EZBIO 50
LT10589283	TIP ELECTOR 10µl
LT10589290	EJECTOR BAR, BIOCONTROL
LT10589300	COLOR CODE RING
LT10589360	VITEK CAP 10-1000 UL
LT10589440	CYLINDER 10 ML ACL
LT10589450	PISTON 200-1000 uL
LT10589490	TIP CONE COVER
LT10589500	SUPPORTER RING 50uL
LT10589520	TIP CONE 50 uL
LT10589571	TIP EJECTOR PUSHER RED
LT10589592	TIP EJECTOR PUSHER
LT10589620	TIP EJECTOR PART 2
LT10589780	CAP, RED
LT10589790	CAP, YELLOW
LT10589800	CAP, LILA-VIOLET
LT10589820	CAP DARK GREEN
LT10589830	CAP, TURQUOISE
LT10589840	CAP, DARK GRAY
LT10589940	HANDLE COVER GRAY 1-5mL
LT10590090	BODY COVER 2 MCP 12-CH
LT10590100	BODY COVER 1 MCP 12 CH
LT10590110	TIP EJECTOR MCP 12 CH
LT10590130	PECKER (STEPPER)
LT10590140	TIP EJECTOR 5-50 µl
LT10590150	TECHPETTE MULTICHANNEL TI
LT10590250	TECHPETTE BODY ASSY
LT10590300	TECHPETTE MULTICHANNEL TI
LT10590310	TECHPETTE MULTICHANNEL TI
LT10590330	TECHPETTE MULTICHNL TIP
LT10590340	TIP CONE 5-50 uL (WHITE)
LT10590350	TIP CONE 50-300 uL MCP COLOR
LT10590360	COLOR CODE RING BIOCONTRO
LT10590531	TIP EJECTOR PUSHER DK BL
LT10590540	CYLINDER 1-5ml COLOUR
LT10590550	HANDLE COVER OEM
LT10590560	Handle Cover
LT10590570	COVER DIGITAL COLOR 1-5
LT10590580	COVER GRAY
LT10590590	TIP EJECTOR SHAFT 1-5mL
LT10590600	TIP EJECTOR GRAY
LT10590770	PISTON HOLDER 8 CH BLACK MCP (5-50/50-30
LT10590810	Piston Holder
LT10590980	CYLINDER PART 1
LT10591001	TIP EJECTOR SPRING
LT10591011	TIP EJECTOR PART 1
LT10591080	TIP CONE
LT10591102	TIP EJECTOR
LT10591110	PISTON
LT10591120	SUPPORT RING
LT10591130	LOCK RING, BIOCONTROL SCP
LT10591150	SUPPORT RING
LT10591171	TIP EJECTOR
LT10591210	PISTON
LT10591280	EJECTOR CAP
LT10591640	LIMITER RING BIOCONTROL
LT10591650	COLOR CODE RING, GRAY
LT10591680	PISTON HOLDER
LT10591690	TIP EJECTOR



Cat. No.	Description
LT10591700	TIP EJECTOR PUSHER
LT10591710	CYLINDER BLOCK
LT10591780	TIP CONE, 1500 uL FP
LT10591830	COLOR CODE RING
LT10591840	BODY COVER
LT10591850	BODY COVER B 1500ul, BioC
LT10591941	TIP CONE HOLDER
LT10592500	SOFT CAP GREY
LT10592510	SOFT CAP, ORANGE FP-DIGITAL
LT10592520	KAPPE, SOFT, GELB, DIGITAL
LT10592530	SOFT CAP, BLUE DIGITAL
LT10592540	KAPPE, SOFT, GRÜN, FP DIGITAL
LT10592550	KAPPE, SOFT, ROT, DIGITAL
LT10592560	SOFT CAP, PINK, FP-DIGITAL
LT10592590	KAPPE, SOFT, DUNKELBLAU, DIGITAL
LT10592610	SOFT CAP, TUEKIS FP-DIGITAL
LT10593000	TIP EJECTOR UPPER PART
LT105930101	FP DIGITAL FIN EJECTOR LOW.P.5-50µl
LT105930102	FP DIGITAL EJECTOR LOW.P. 50-300µl
LT10593011	Tip ejector pusher
LT10593012	TIP EJECTOR LOWER PART 0,5-10uL DIGITAL
LT105930120	TIP EJECTOR LOWER PART 10-100uL DIGITAL
LT105930121	Tip ejector pusher
LT10593013	FP DIGITAL TIP EJECTOR
LT10593015	FP DIGITAL TIP EJECTOR
LT10593016	Tip ejector pusher
LT10593017	TIP EJECTOR LOWER PART 2-10ML DIGIT.
LT10593018	TIP EJECTOR LOWER PART 2-202uL DIG.
LT10593019	TIP EJECTOR LOWER PART 20-200uL DIG.
LT10593041	WINDOW , FP DIGITAL, 200/300/1000 uL, S
LT10593042	WINDOW, FP DIGITAL 10/40/50 uL, 10 mL, S
LT10593043	WINDOW, FP DIGITAL 2`L/10 mL, SCP & MC
LT10593050	LABEL WINDOW
LT10593060	Cogwheel
LT10593080	ADAPTER, FP DIGITAL
LT10593090	TIP CONE, FP DIGITAL
LT10593100	TIP EJECTOR SHAFT
LT10593110	TIP EJECTOR SHAFT
LT10593120	TIP EJECTOR SHAFT0.2-40uL
LT10593130	CYLINDER (1-5mL)
LT10593150	TIP EJECTOR - UPPER 5ml
LT10593160	TIP EJECTOR - PART 2, 1-5 mL
LT10593190	TIP EJECTOR - PART 1,
LT10593200	TIP EJECTOR - PART 2 2 - 10 mL
LT10593210	TIP EJECTOR RING
LT10593220	ADAPTER MCP
LT10593230	TIP EJECTOR PLATE
LT10593240	TIP CONE 0.5 - 10 uL MCP
LT10593260	SPRING SUPPORT DIG MCP
LT10593280	SECOND SUPPORT MCP
LT10593290	SEALING COMBINATION 0.5 - 10 uL
LT10593300	O-RING TUBE 0.2 - 2 uL FP DIG
LT10593310	O RING TUBE 0.5 - 10 uL FP DIG
LT10593320	O-RING TUBE
LT10593330	TUBE 0.2-40 uL FP DIG
LT10593340	SPRING SUPPORT 0.2 - 40 uL
LT10593360	SPRING SUPPORT 0.2-40 uL
LT10593410	TIP CONE, 200-1000 uL
LT10593420	TIP CONE, 40-200uL

Cat. No.	Description
LT10593430	TIP CONE, 5-40uL
LT10593440	CYLINDER 2-10mL
LT10593480	SERVICE TOOL FP DIGITAL
LT10593500	SPRING SUPPORT 5 - 50 uL
LT10593510	PISTON SUPPORT MCP
LT10593620	TIP CONE 100uL DIGITAL
LT10593750	ADAPTER, MCP FISHER
LT10593760	TIP CONE
LT10593810	TIP CONE, 16 CH
LT10593870	PISTON BUTTON 16ch
LT10593890	COLOUR CODE RING
LT10594700	TIP CONE, 16 CH
LT1060180	CAP BLUE FP FOCUS
LT1060200	CAP RED FP FOCUS
LT1060210	KAPPE, PINK FOCUS
LT10603905	TIP EJECTOR PUSHER 5µl FP-FOCUS FIXED
LT1060391	TIP EJECTOR PUSHER 1-10ML FP-FOCUS
LT10603913	TIP EJECTOR PUSHER 500UL
LT10603917	TIP EJECTOR PUSHER 5ml FP-FOCUS FIXED
LT1060392	Tip ejector pusher
LT1060393	TIP EJECTOR 100-1000UL
LT1060394	Tip ejector pusher 30-300 uL FP-FOCUS
LT1060395	Tip ejector pusher 10-100 uL FP-FOCUS
LT1060396	Tip ejector pusher 5-50 uL FP-FOCUS
LT1060397	Tip ejector pusher 3-30 uL FP-FOCUS
LT1060398	TIP EJECTOR PUSH 1-10UL
LT1060399	TIP EJECTOR PUSHER 0,5-5 µl FP-FOCUS
LT1060421	DISPLAY WINDOW
LT1060422	FOCUS DISPLAY WINDOW,
LT1060423	DISPLAY WINDOW
LT1060530	TIP EJECTOR LOWER 10ML
LT1060560	TIP CONE FP FOCUS
LT1060570	TIP CONE FP FOCUS
LT1060580	TIP CONE FP FOCUS
LT1060590	TIP CONE 1000uL FOCUS SHORT
LT1060600	SPRING BASE FP FOCUS
LT1060610	SPRING BASE FP FOCUS
LT1060620	SPRING BASE FP - FOCUS
LT1060630	SPRING BASE FP FOCUS
LT1060640	TIP EJECTOR UPPER PART
LT1060650	TIP EJECTOR
LT1060660	TIP EJECTOR
LT1060670	TIP EJECTOR
LT1060690	PISTON 5-50UL UNIV TIP
LT1060700	PISTON 10-100UL
LT1060710	PISTON 100-1000UL
LT1060720	PISTON 5-50UL MICRO TIP
LT1060740	TUBE FP FOCUS
LT1060750	PISTON 30-300UL
LT1060790	CYLINDER 5ML FP FOCUS
LT1060800	TIP EJECTOR UPPER 5ML
LT1060810	TIP EJECTOR LOWER 5ML
LT1060840	WINDOW FRAME
LT1060880	FOCUS COVER, YELLOW
LT1060890	COVER TURQUOISE FP FOCUS
LT1060910	COVER PINK FP FOCUS
LT1060920	FOCUS COVER, LILAVIOLET
LT1060930	FOCUS COVER, ORANGE
LT1061080	SOLID WINDOW

Spare Part Prices for Liquid Handling Products continued

Cat. No.	Description
LT1062000	TIP CONE F. FP FOCUS LONG
LT1062010	TIP CONEFP FOCUS LONG
LT1062030	TIP CONE 1000?!
LT1062131	Cover 1-10ul Novus
LT1062132	Cover 5-50ul Novus
LT1062133	Cover 10-100ul Novus
LT1062134	Cover 30-300ul Novus
LT1062135	Cover 100-1000ul Novus
LT1062136	Cover 0.5-5ml Novus
LT1062137	Cover 1-10ml Novus
LT1062138	Cover 100-1200ul Novus
LT1062140	BOTTOM NOVUS
LT1062211	LENS, NOVUS, FP
LT1062791	Cover 1-10ul, Novus BL
LT10627911	Cover, Novus BL HD
LT1062792	Cover 5-50ul, Novus BL
LT1062793	Cover 10-100ul, Novus BL
LT1062794	Cover 30-300ul, Novus BL
LT1062795	Cover 100-1000ul, Novus BL
LT1062796	Cover 0.5-5ml, Novus BL
LT1062797	Cover 1-10ml, Novus BL
LT1062798	Cover 1200ul, Novus BL
LT1063623	TIP EJECTOR PUSHER 1-10µl MICRO F2
LT1090701	BOTTLE + CAP (PK 10)
LT1100680	METAL RING W/TE
LT1102551	LEVER PIN
LT1106230	PCR PLUNGER 25UL
LT1106300	PCR PLUNGER 200UL
LT11070680	FINGER NUTS
LT11070760	PISTON
LT11072010	PISTON FP-FOCUS 5-50µl 16ch
LT11181760	SPRING SUPPORT
LT1122051	PECKER
LT1126990	LARGE BRASS WEIGHT
LT1130040	THUMB BUTTON SPRING
LT1130060	PISTON SPRING
LT1130080	SPRING
LT1130090	PISTON SPRING 200-1000
LT1130100	PISTON SPRING
LT1130110	TITERTEK TIP EJECT SPRING
LT1130111	M-STEPPER TE SPRING
LT1130200	SPRING
LT1130210	SPRING
LT1130400	PISTON SPRING 5-200
LT1130510	PISTON SPRING 40-200 uL
LT1130550	SPRING 200-1000 uL
LT1130560	PISTON SPRING 200-1000 uL
LT1130570	Tip Ejector Pusher Spring
LT1130720	Holder Spring
LT1130800	PECKER SPRING
LT1131090	PISTON SPRING 0.5-10 uL
LT1131380	SPRING, 5-40 uL
LT1131400	LOWER SPRING (EZ/12CHN)
LT1131410	PRIMARY SPRING
LT1131420	MODULE SPRING
LT1131430	MODULE SPRING
LT1131440	PISTON SPRING
LT1131630	PISTON SPRING
LT1131670	INDEX SPRING STEPETTE

Cat. No.	Description
LT1131680	RETAINER SPRING (STEPPER)
LT1131690	RETAINER SPRING
LT1131700	PECKER SPRING (STEPPER)
LT1131780	PISTON SPRING
LT1131790	PISTON SPRING, BIOCONTROL
LT1131800	46NG 0.2-10 uL FP DIG
LT1131810	PISTON SPRING
LT1131820	SPRING, FISHERBRAND
LT1131830	PISTON SPRING
LT1131840	SPRING
LT1131850	TIP EJECTOR SPRING
LT1131870	SPRING
LT1131880	SPRING, 5 - 40 uL
LT1131890	PISTON SPRING 8/12 CH. 5-50UL
LT1131900	SPRING MCP
LT1131930	FASTENING SPRING
LT1131940	SPRING, 1-5 mL
LT1131950	TIP EJECTOR SPRING
LT1132000	SPRING 5-50 uL (0,3x3,6x20)
LT1132100	PISTON SPRING 16 CH
LT1132120	Mini-Spring 2-20uL FP DIG
LT1132180	TIP EJECTOR SPRING FP-FOCUS
LT1132320	PISTON SPRING FP-FOCUS
LT1132330	PISTON SPRING FP-FOCUS
LT1132340	SPRING F. FP FOCUS 3-30µl
LT1132390	TIP EJECTOR SPRING
LT1132400	FEDER F. FINNPIPETTE FOCUS
LT1140211	PECKER PIVOT PIN
LT1140551	PECKER PIN
LT1143160	TAPE EP-93
LT12025020	KEYBOARD
LT12905130	BIOCTRL TRANSFORMER EUR
LT12905140	BIOCONTROL TRANSFORMER
LT12905550	AKKU LI-ION BATTERIE 1000mAh
LT1524440	M-STEPPER STORAGE LABEL
LT1527110	ETIKETT
LT1527200	SAFETY LABEL
LT2200090	TIP CONE ASSY 4-CHANNEL 5
LT2200100	TITERTEK R/B TIP CONE ASY 8 CH 5-50
LT2200110	TIP CONE ASSY 12-CH 5-50
LT2200150	PISTON HOUSING
LT2200170	TITERTEK R/B TIP CONE ASY
LT2200240	PISTON 50-200
LT2200250	PISTON 5-50
LT2200300	LOWER PISTON
LT2200310	PISTON 5-50
LT2200320	CABLE 2-CORE 7/0.2SCREENED
LT2200330	PISTON 200-1000
LT2200331	UPPER PISTON (RED/BLACK)
LT2200520	8CH BODY ASSY F/VOL 5-50
LT2200530	BODY ASSY 8CH F/VOL 50-25
LT2200550	12CH BODY ASSY F/VOL 50-2
LT2200580	BODY ASSY 8-CH 5-50
LT2200590	BODY ASSY 8-CH 50-250
LT2200600	BODY ASSY 12-CH 5-50
LT2200610	BODY ASSY 12-CH 50-250
LT2200780	HANDLE 200-1000 STEP
LT2201240	MCP PISTON 5-50 uL
LT2201300	BODY COVER 4-CH



Cat. No.	Description
LT2201310	BODY COVER 8-CHANNEL
LT2201320	BODY COVER 12-CHANNEL
LT2201369	HANDLE ASSEMBLE 25 UL
LT2201520	Piston 5-40 UL
LT2201570	BODY ASS 8CH DIG (OLD)
LT2201571	TITERTEK 40/50-200 8 CH
LT2201581	BODY ASS 12CH DIG (OLD)
LT2201590	TIP CONE ASS 4CH DIG(OLD)
LT2201591	TITERTEK TIP CONE ASSY
LT2201601	TITERTEK TIP CONE ASSY
LT2201610	TITERTEK TIP CONE ASS'Y
LT2201611	PLUG D TYPE 15-WAY FILTER
LT2201660	CYLINDER BLOCK 50-200
LT2201800	BOTTLE + VALVE UNIT / DIS
LT2201810	VALVE AND SEAL KIT / DISP
LT2201990	PISTON 200-1000
LT2202011	HANDLE VARICHANNEL 5-50UL
LT2202240	BODY (STEPETTE)
LT2202310	PISTON, 0.5-10 uL
LT2202570	HANDLE 5-40 uL
LT2202580	TITERTEK HANDLE 40/50-200
LT2202590	HANDLE 200-1000UL
LT2202600	HANDLE 1000-5000UL
LT2202860	HANDLE 1000uL
LT2202910	4-CH BODY
LT2202920	8-CH BODY
LT2202940	MCP PISTON 50-300 uL
LT2203090	M-STEPPER PISTON ASSY
LT2203151	TIP EJECTOR (LABSYSTEMS)
LT2203161	MCP HANDLE 5-50 uL
LT2203231	MCP HANDLE 50-300 uL
LT2203380	TIP CONE MODULE 200-1000
LT2203390	BREAKER MCB 6A 2 POLEETA 8340
LT2203400	TIP CONE MODULE 20-100 UL
LT2203410	TIP CONE MODULE 5-25 UL
LT2203510	HANDLE FPD 2-10 ML
LT2203520	PISTON ASSEMBLY 2-10 ML
LT2203540	MULTISTEPPER HANDLE ASSY
LT2203680	MULTISTEPPER ASSEMBLY
LT2203691	BODY ASSEMBLY MULTISTEPPE
LT2203700	BODY ASSY. 50-200 VARICHA
LT2203701	BODY ASSY. 200-1000 VARIC
LT2203711	HANDLE ASSEMBLY - MULTI-
LT2203720	PISTON ASSY.200-1000 VARI
LT2203730	PISTON ASSY. 40-200 uL
LT2203740	PISTON ASSY. 5-50 uL
LT2204030	PCR HANDLE 25UL
LT2204040	PCR HANDLE 200UL
LT2204450	CYLINDER ASSEMBLY, 0.5-10 uL
LT2204490	PISTON ASSEMBLY - EASYSTE
LT2204600	HANDLE 0.5-10 FP ACL
LT2204610	HANDLE 5-40 FP ACL
LT2204620	HANDLE 40-200 FP ACL
LT2204630	HANDLE 200-1000 FP ACL
LT2204640	HANDLE 1-5ML FP ACL
LT2204650	HANDLE 2-10ML ACL
LT2204830	HANDLE MECHANISM 100UL
LT2204870	HANDLE MECHANISM 1000UL
LT2204880	KOLBEN

Cat. No.	Description
LT2204890	PISTON ASSEMBLY
LT2205070	BODY 4 CHANNEL 5-50UL
LT2205090	BODY 8-CH 5-50 uL
LT2205100	BODY 8-CH 50-300UL COLOUR
LT2205110	BODY 12-CH 5-50UL COLOUR
LT2205130	HANDLE 5-50UL
LT2205140	HANDLE 50-300 uL
LT2205210	MOTOR BIOCONTROL
LT2205260	NO LONGER SOLD INDIVIDUALLY
LT2205280	BIOCONTROL CHARGING STAND
LT2205310	BIOCONTROL FLEXIBLE CABLE ASSEMBLY
LT2205320	TRIGGER CIRCUIT BOARD
LT2205350	BATTERY ASSEMBLY, BIOCTRL
LT2205390	HANDLE MECHANISM
LT2205400	HANDLE MECHANISM, 5-40uL
LT2205410	HANDLE MECHANISM FP
LT2205420	KANDLE MECHANISM 200-1000
LT2205490	HANDLE MECH. FP DIG
LT2205500	1-5 ML TECHPETTE PISTON
LT2205510	HANDLE MECHANISM 200-1000
LT2205700	PISTON 0.2-2 uL
LT2205710	PISTON 0.5-10 uL
LT2205720	PISTON ASSY 5- 40uL DIGITAL
LT2205730	SEALING COMBINATION, 0.2 - 2 uL
LT2205740	HANDLE 0.2-2uL
LT2205750	HANDLE 0.5-10 uL
LT2205770	HANDLE 40-200uL FP-DIG-NE
LT2205780	HANDLE 200-1000uL
LT2205790	HANDLE 1000-5000 uL
LT2205800	HANDLE 2-10mL FP-DI
LT2205810	HANDLE - DIGITAL, 8 CH
LT2205820	HANDLE - DIGITAL MCP
LT2205830	HANDLE - DIG. 50-300 MCP
LT2205840	PISTON ASSEMBLY 1-5mL
LT2205850	PISTON ASSEMBLY 2-10mL
LT2205860	PISTON 0.5-10 uL MCP
LT2205920	MODULE FP-DIGITAL MCP 8-CH 50-300 µl
LT2205950	PISTON 5-50 uL MCP
LT2205960	PISTON 50-300 uL MCP
LT2205970	PISTON HOLDER FP MCP
LT2205980	PISTON HOLDER MCP 12CH
LT2205990	FP BIO TIP MODULE, 5-40uL
LT2206000	FP BIO MOD, 1CH,40-200uL SCP
LT2206010	FP BIO MOD,1CH 200-1000uL
LT2206020	FP BIOCONTROL MOD,1-5mL
LT2206030	FP BIOCONTROL MOD,2-10mL
LT2206040	SHELF HANGER + STICKER
LT2206050	FP BIO MODULE,8CH,0.5-10u
LT2206270	HANDLE 100UL FIXED VOLUME
LT2206290	HANDLE 250UL FIXED VOLUME
LT2206350	HANDLE 10ML FIXED VOLUME
LT2206360	PISTON ASSEMBLY
LT2206370	PISTON ASSEMBLY
LT2206380	PISTON ASSEMBLY
LT2206400	FP BIOCONTROL HANDLE
LT2206430	PISTON 5-50 uL
LT2206440	PISTON 2-20 uL
LT2206500	PISTON 1500 uL
LT2206540	PISTON 16CH 5-50UL

Spare Part Prices for Liquid Handling Products continued

Cat. No.	Description
LT2206550	HANDLE 16-CHANNEL
LT2206590	MULTISTEPPEP 8CH MODULE
LT2206600	PISTON 10-100UL
LT2206610	HANDLE 2-10uL FP DIGITAL
LT2206620	HANDLE, DIGITAL 20-200 uL
LT2206630	HANDLE FP DIG 10-100uL
LT2206640	FP DIG HANDLE 100-1000 uL
LT2206970	HANDLE MECH COLOUR 5-50UL
LT2206980	HANDLE MECHANISM,
LT2207030	BIOCONTROL 16 CH MODULE
LT2207050	NO LONGER SUPPLIED SEPARATELY
LT2207090	MCP TIP CONE ASSY 50-300?l 8+12CH, 12PCS
LT2207130	COLLAR 5-50UL (PK 12)
LT2207140	COLLAR 50-300UL
LT2207220	HANDLE 5-50UL DIGITAL
LT2207250	Y-CONNECTOR
LT2207260	TUBING
LT2207270	BODY MOULDING
LT2207280	CONTROL VALVE ASSY
LT2207290	PUMP
LT2207300	INSULATION TAPE
LT2207310	BATTERY PACK
LT2207320	PCB ASSY
LT2207330	INLINE CONNECTOR
LT2207340	FILTER HOLDER
LT2207350	MICRO SWITCH
LT2207890	LOCKING PIECES 2 PCS
LT2207910	MCP TIP CONE ASSY.05-10 8CH(8pcs.)
LT2207950	MCP TIP CONE ASSY 5-50?l 16CH, 8PCS
LT2207960	HANDLE, COMBO, NOVUS
LT2208020	PISTON ASSY 5ML FOCUS
LT2208030	TIP CONE ASSY 1-10ul FP-FOCUS
LT2208040	Tip cone assy 5-50ul FP-FOCUS
LT2208050	Tip cone assy 10-100ul FP-FOCUS
LT2208060	Tip cone assy 30-300?l FP-FOCUS
LT2208070	TIP-CONE ASSY. 100-1000ul FP-FOCUS
LT2208080	TIP CONE ASSY., 0.5-5 ml FP-FOCUS
LT2208090	Tip cone assy 1-10ml FP-FOCUS
LT2208100	TIP CONE ASSY. 1-10ul MICRO FP-FOCUS
LT2208110	Tip cone assy 5-50ul Micro FP-FOCUS
LT2208120	PISTON 1-10UL
LT2208160	PISTON ASSEMBLY 10mL FOCUS
LT2208170	TIP CONE ASSY 3-30UL MICR
LT2208180	Tip cone assy 0.3-3ul FP-FOCUS
LT2208190	Tip cone assy 0.5-5ul FP-FOCUS
LT2208200	FOCUS HANDLE, 1 - 10 mL
LT2208210	FOCUS HANDLE, 0.5 - 5 uL
LT2208220	HANDLE 100-1000UL
LT2208230	HANDLE 30-300UL
LT2208240	HANDLE 10-100UL
LT2208250	HANDLE 5-50UL
LT2208260	HANDLE 3-30UL
LT2208270	FOCUS HANDLE, 1 - 10 uL
LT2208280	HANDLE 0.5-5UL
LT2208290	HANDLE 0.3-3UL
LT2208310	PISTON 0.3-3UL
LT2208320	FOCUS PISTON, 0.5 - 5 uL
LT2208330	PISTON 3-30UL
LT2208450	Tip cone assy 3-30?l FP-FOCUS

Cat. No.	Description
LT2208460	SEALING COMBINATION 0.3-3
LT2208470	Tip cone assy 5ml FP-FOCUS Fixed
LT2208480	Tip cone assy 10ml FP-FOCUS Fixed
LT2208530	Handle 1000?l FP-FOCUS Fixed Volume
LT2208660	HANDLE FOCUS 1.10UL
LT2208670	HANDLE FOCUS
LT2208680	HANDLE
LT2208890	PISTON FOCUS 0.3-3UL
LT2208940	MCP TIP CONE ASSY 30-300?l 8+12CH, 12PCS
LT2208950	Tip cone assy 100-1000ul FP-FOCUS Long
LT2208960	Tip cone assy 30-300ul FP-FOCUS Long
LT2208970	Tip cone assy 10-100ul FP-FOCUS Long
LT2208980	Tip cone assy 5-50ul FP-FOCUS Long
LT2208990	Tip cone assy 5-50ul Micro FP-FOCUS Long
LT2209000	Tip cone assy 3-30ul FP-FOCUS Long
LT2209010	Tip cone assy 3-30ul Micro FP-FOCUS Long
LT2209020	Tip cone assy 1-10ul FP-FOCUS Long
LT2209030	Tip cone assy 1-10ul Micro FP-FOCUS Long
LT2209040	Tip cone assy 0.5-5ul FP-FOCUS Long
LT2209050	Tip cone assy 0.3-3ul FP-FOCUS Long
LT2209090	MCP TIP CONE ASSY 5-50?l 8+12CH, 12PCS
LT2209110	MCP TIP CONE ASSY 1-10?l 8+12CH, 12PCS
LT2209170	HANDLE FOCUS 5-50UL
LT2209350	MCP TIP CONE ASSY 30-300?l 8+12CH, 12PCS
LT2209590	PISTON ASSY. 5ml, NOVUS
LT2209600	PISTON ASSY. 10ml, FP-NOVUS
LT2209610	MAIN CB ASSY
LT22096116	MAIN CB ASSY.NOVUS MCP8 30-300ul
LT22096118	MAIN CB ASSY. NOVUS MCP8 1200 ul
LT2209720	AUSLOESER CB NOVUS/E1
LT2209740	COUPLER ASSY., NOVUS
LT2209750	STEP MOTOR ASSY, NOVUS
LT2209920	PISTON 1200
LT22099505	MAIN PCB ASSY.NOVUS BL SCP 10-100ul
LT22099506	PCB THERMOLABS. F.MULTIC. 8C 30-300ul
LT22099507	PCB THERMO LABS. MAIN CB F.FP 100-1000ul
LT22099515	PCB THERMOLABS.F.MULTIC. 12C 30-300ul
LT22099516	MAIN CB ASSY. NOVUS MCP 12 30-300ul
LT22099518	MAIN CB ASSY.NOVUS BL MCP8 1200ul
LT2210320	PISTON ASSY. 1-10 ml F3
LT2211020	Handle 1-10ul Micro, F2
LT2211280	Module 50ul 8ch, F2
LT2211290	Module 50ul 12ch, F2
LT2211300	Module 100ul 8ch, F2
LT2211310	Module 100ul 12ch, F2
LT2211320	Module 300ul 8ch, F2
LT2211330	Module 300ul 12ch, F2
LT2211340	Module 10ul 16ch, F2
LT2211350	Module 50ul 16ch, F2
LT2211510	Tip cone assy 10ul Micro, F2
LT2211520	Cap pink, F2
LT2211540	Tip cone assy 10ul universal, F2
LT2211550	Cap yellow, F2
LT2211560	Cap turquoise, F2
LT2211570	Cap blue, F2
LT2211580	Cap green, F2
LT2211590	Cap red, F2
LT2211600	Tip cone assy 20ul Micro, F2
LT2211610	Tip cone assy 20ul universal, F2



Cat. No.	Description
LT2211620	Tip cone assy 100ul, F2
LT2211630	Tip cone assy 200ul, F2
LT2211640	Tip cone assy 1000ul, F2
LT2211650	PISTON ASSY. 0.5-5 ml F2
LT2211660	Tip cone assy 5ml, F2
LT2211670	Tip cone assy 10ml, F2
LT2211680	Cap orange, F2
LT2211800	Cap lila, F2
LT2211810	Cap dark blue, F2
LT2211830	Handle 10ul 16ch, F2
LT2211890	Tip cone assy 2ul, F2
LT2211900	Tip cone assy 5ul, F2
LT2211910	Tip cone assy 2-5ml Fixed, F2
LT2211920	Tip cone assy 6-10ml Fixed, F2
LT2211950	Handle 0.2-2ul Micro, F1
LT2211960	Handle 0.5-5ul Micro, F1
LT2211970	Handle 1-10ul Micro, F1
LT2211980	Handle 1-10ul universal, F1
LT2211990	Handle 2-20ul Micro, F1
LT2212000	Handle 2-20ul universal, F1
LT2212010	Handle 10-100ul, F1
LT2212020	Handle 20-200ul, F1
LT2212030	Handle 30-300ul, F1
LT2212040	Handle 100-1000ul, F1
LT2212050	Handle 0.5-5ml, F1
LT2212060	Handle 1-10ml, F1
LT2212090	Tip cone assy 2ul, F1
LT2212100	TIP CONE ASSY 5ul, F1
LT2212110	Tip cone assy 10ul Micro, F1
LT2212170	Tip cone assy 10ul universal, F1
LT2212180	Tip cone assy 20ul Micro, F1
LT2212190	Tip cone assy 20ul universal, F1
LT2212200	Tip cone assy 100ul, F1
LT2212210	Tip cone assy 200ul, F1
LT2212220	Tip cone assy 300ul, F1
LT2212240	Tip cone assy 1000ul, F1
LT2212250	Tip cone assy 5ml, F1
LT2212260	Tip cone assy 10ml, F1
LT2212280	Handle 5-50ul, F1
LT2212290	Handle 10ul 16ch, F1
LT2212300	Handle 50ul 16ch, F2
LT2212310	Handle 50ul 16ch, F1
LT2212320	PISTON ASSY 10ml F1
LT2212330	Module 10ul 8ch, F1
LT2212340	Module 10ul 12ch, F1
LT2212350	Module 50ul 8ch, F1
LT2212360	Module 50ul 12ch, F1
LT2212370	Module 100ul 8ch, F1
LT2212380	Module 100ul 12ch, F1
LT2212390	Module 300ul 8ch, F1
LT2212400	Module 300ul 12ch, F1
LT2212410	Module 10ul 16ch, F1
LT2212420	Module 50ul 16ch, F1
LT2212440	Tip cone assy 100ul 12pcs, F1
LT2212450	Handle 1ul Fixed, F1
LT2212460	Handle 5ul Fixed, F1
LT2212470	Handle 10ul Fixed, F1
LT2212480	Handle 25ul Fixed, F1
LT2212490	Handle 50ul Fixed, F1

Cat. No.	Description
LT2212500	Handle 100ul Fixed, F1
LT2212510	Handle 250ul Fixed, F1
LT2212520	Handle 500ul Fixed, F1
LT2212530	Handle 1000ul Fixed, F1
LT2212540	Handle 2ml Fixed, F1
LT2212550	Handle 3ml Fixed, F1
LT2212560	Handle 5ml Fixed, F1
LT2212570	Handle 10ml Fixed, F1
LT2212700	Tip Cone Assy., 300ul, 12pcs Novus
LT2212750	Tip cone assy 50ul 12pcs, F1
LT2212760	Tip cone assy 10ul 16ch 8pcs, F1
LT2212770	Tip cone assy 10ul 12pcs, F2
LT2212780	Tip cone assy 50ul 12pcs, F2
LT2212790	Tip cone assy 100ul 12pcs, F2
LT2212800	Tip cone assy 300ul 12pcs, F2
LT2212810	Tip cone assy 10ul 16ch 8pcs, F2
LT2212820	Tip cone assy 50ul 16ch 8pcs, F2
LT22300	Halter, Countertop F.c1 Pipette
LT2900360	Maintenance Pliers 2-10mL
LT2900510	Maintenance Pliers
LT3300060	Silicone Grease Tube
LT354-0059-00	Fitting Bulkhead Barb 1/4
LT354-0090-00	T Piece Fitting
LT3675250	3m Tape
LT4580560	BioMate 0.45 um Filter, 5/Pk, Hydrophobi
LT5186860	Biocontrol Calib S`Ware
LT5186861	Biocontrol Calib S`Ware
LT65921	Racked Reagent Tips (Pk 432)
LT911-078-0011	Operating Manual FI1000
LT9420210	Stand For Tips 200- 1000 UI Hc
N09097-HUD	O-ring, 039 ID, Buna, Black
N09099-HUD	O-RING, 106" ID
N09909-HUD	Slide, Trigger
N11351-HUD	Housing Exp, Modified
N11409-HUD	Impact, Flex Circuit
N11519-HUD	O-Ring
N11912-HUD	Bracket, Window, SPS
N14004-HUD	Assy, Console Cover, Impacts
N14144-HUD	Assy, Console CVR 16 Ch Imp 2



Personal & Environmental Protection

Apparel	142
Gloves	143
Disinfectant	144
Swabs	148

Essential Solutions for **Safer and Productive** Workplace

At KIMBERLY-CLARK PROFESSIONALS*, we understand that the challenges our customers face every day, affect every aspect of their organizations. And the decisions they make, have an impact on the working lives of everyone they work with. We're here every step of the way - understanding our customers' needs, backing their choices and providing them with solutions that enable people to be safer, healthier and move productive.

HYGIENE AND CONTAMINATION CONTROL

We deliver leading-edge hygiene and cleaning solutions for the workplace and hand hygiene. By selecting our trusted global brand like KLEENEX® Paper Towel and Sanitizer, SCOTT® Foam Soap and Soap and Paper Towels, WYPALL* and KIMTECH* Wipers, you will help reduce the spread of germs resulting in cleaner environment.

WIPING

We are leaders in the industrial and scientific wiping market. WYPALL* and KIMTECH* are well-known names, offer wiping solutions that reduce the risk of contamination.

PERSONAL SAFETY

You can rely on us to protect your people in the workplace. Our range of ergonomically designed safety solutions will make an impact on everyone who uses them. Our market-leading safety products like KLEENGUARD*, JACKSON SAFETY* AND KIMTECK PURE* are comfortable, safe and help increase work efficiency.

KIMBERLY-CLARK PROFESSIONAL*

We create exceptional clean rooms, labs and production areas by bringing innovative solution to our customers that help them be more productive, minimize the risk to processes and people, and do so in the most environment friendly way possible.

KIMTECH
PURE* BRAND



Apparel

KIMBERLY CLARK KIMTECH PURE A5

Sterile Cleanroom Apparel

100% Polypropylene Breathable SMS Fabric

Suitable for ISO Class 5 or higher cleanrooms.

- Cloth-like feel
- Tunneled elastic and bound seams
- 25 times more breathable than Tyvek®
- Triple-bagged
- Certificate of Conformance available online at www.kimtech.com/certificates

Cat. No.	Description
88800E	A5 Sterile Cleanroom Apparel- small
88801E	A5 Sterile Cleanroom Apparel- medium
88802E	A5 Sterile Cleanroom Apparel- large
88803E	A5 Sterile Cleanroom Apparel- X large
88804E	A5 Sterile Cleanroom Apparel- XX large
88807E	A5 Sterile Cleanroom Hood
88808E	A5 Sterile Cleanroom Boots
36072E	A5 Sterile iHAM Hoods



KIMTECH PURE* M3 Pleat-Style Face Masks

Product Features:

- Available with ties and earloops
- Low-linting polyethylene film outer layer
- Available in 7" & 9"
- BICOSOF* Fabric inner facing provides comfort

Cat. No.	Description
62484E	KIMTECH PURE* M3 Pouch-Style Face Mask with Headband (PCM2000*)
62467E	KIMTECH PURE* M3 Sterile Face Mask with Ties 7" (CR Classic*)
62470E	KIMTECH PURE* M3 Sterile Face Mask with Earloop 7" (CR Classic*)

Gloves

EXAM GLOVES

KIMBERLY-CLARK* PURPLE NITRILE* Exam Gloves

Product Features:

- 6 mil thickness
- Static dissipative in use
- Latex-free
- KIMBERLY-CLARK* PURPLE NITRILE-XTRA* was tested for use with 29 chemotherapy drugs and glutaraldehyde

Cat. No.	Description
FH03042	KIMBERLY-CLARK* PURPLE NITRILE-XTRA* Nitrile Exam Gloves 12" Ambi Small
FH03043	KIMBERLY-CLARK* PURPLE NITRILE-XTRA* Nitrile Exam Gloves 12" Ambi Medium
FH03044	KIMBERLY-CLARK* PURPLE NITRILE-XTRA* Nitrile Exam Gloves 12" Ambi Large
FH03040	KIMBERLY-CLARK* PURPLE NITRILE* Exam Gloves 9.5" Ambi Small
FH03031	KIMBERLY-CLARK* PURPLE NITRILE* Exam Gloves 9.5" Ambi Medium
FH03041	KIMBERLY-CLARK* PURPLE NITRILE* Exam Gloves 9.5" Ambi Large



LabServ Nitrile powder free gloves

- Conforms to ASTM D6319, manufactured under QSR (GMP), ISO 9001:2008 and ISO13485:2003 (Medical Device) quality management system
- Beaded cuff ensures easy donning and prevent roll down
- Protection from unwanted and short term exposure to chemical contact
- Superior strength with better puncture resistance
- Palm texture enhances wet and dry grip
- Thinner gauge improves tactile sensitivity
- Custom design enhances comfort and fit
- Ambidexterous
- Easy donning
- CE marked

SURFACE DISINFECTANT

TASKI Protasan DS

Disinfectant Cleaner for Medium Risk Areas

Composition

Benzalkonium Chloride (50%) IP - 11.5%
Non-ionic Surfactants

Features and Benefits

Well- balanced combination of cleaning and disinfectant ingredients.

- **Effective against micro-organisms.**
- **Effectively kills and removes micro-organisms, eg. gram-positive and gram-negative bacteria and fungi**
- **Simultaneously cleans and disinfects**
- **Suitable for all hard water-resistant surfaces**
- **Also suitable for disinfecting carpets**



Cat. No.	Description
85112	Protasan

TASKI Combatan

Disinfectant cleaner for high risk areas

Composition

- **Alkyl methyl benzyl ammonium chloride – 15%**
- **Alkyl alcohol ethoxylate – 15%**
- **Poly hexamethyl biguanide HCl – 5%**
- **Formaldehyde – 10%**

Features and Benefits

- **Well- balanced combination of cleaning and disinfectant ingredients**
- **Effective sporicidal, bactericidal, fungicidal & virucidal**
- **Effectively kills and removes micro-organisms, eg. gram-positive and gram-negative bacteria and fungi**
- **Simultaneously cleans and disinfects**
- **Also suitable for disinfecting carpets**



Cat. No.	Description
85082	Combatan (2 x 5 ltrs.)

Virex II 256

Broad Spectrum Environmental Cleaner & Disinfectant

Composition

- Didecyl dimethyl ammonium chloride : 8.7%
- n-alkyl dimethyl benzyl ammonium chloride : 8.19%
- Lauryl amine amine oxide
- Ethylene diamine tetra acetic acid sodium salt
- Sodium bicarbonate

Features and Benefits

N-alkyl dimethyl benzyl ammonium & Didecyl dimethyl ammonium chloride

- **Combination of most potent QAC's - Broad spectrum kill**

Aldehyde free product

- **No negative occupational hazard - Eco friendly and user friendly**

Cleaner and disinfectant

- **Single shot product - Time and cost effective**



Cat. No.	Description
4430825	VirexII256 (2 x 5 ltrs.)

Oxivir® Five 16 Concentrate

A one-step disinfectant cleaner based on proprietary hydrogen peroxide (AHP®) technology

Features and Benefits

Virucidal, Bactericidal, Fungicidal and Mildewcidal

- **Disinfects in just five minutes**
- **Effective against Human Immunodeficiency Virus HIV-1(AIDS Virus), Hepatitis B and Hepatitis C Virus (HBV and HCV), Pseudomonas aeruginosa, Staphylococcus aureus, Methicillin resistant Staphylococcus aureus,(MRSA), Salmonella enterica, Avian Influenza A and VRE**
- **Kills Norovirus and Canine Parvovirus**
- **Compatible With Hard Surfaces**
- **Active breaks down into water and oxygen by-products**
- **No rinsing required**
- **Delivers fast and effective cleaning**



Cat. No.	Description
5209583	Oxivir Five16 Concentrate (2 x 5 ltrs.)



Divosan

Disinfectant based on 5% peracetic acid

Features

- **Stabilised peracetic acid solution (5%) which is non-foaming & completely free-rinsing. It is a highly effective disinfectant against all types of micro organisms including bacteria, yeasts, fungi, spores and viruses**
- **Specifically formulated as a terminal disinfectant for use in automated CIP systems**
- **It also has excellent deodorising and stain removal properties**
- **Can be used as a rotational Sporicidal disinfectant for environmental disinfection**

Benefits

- **Versatile and effective CIP disinfectant**
- **Powerful oxidising action also assists stain removal & deodorises**
- **Free-rinsing and non-tainting**
- **Low environmental impact, breaks down to materials that are innocuous for waste water treatment**
- **Suitable for use in soft or hard water**
- **Low level residue test method available**

Cat. No.	Description
5626854	DIVOSAN ACTIV (2 x 5 kg)

ClearKlens Cleansinald

ClearKlens Cleansinald is a surface active disinfectant based on a blend of quaternary ammonium and alkyl amines



Features and Benefits

- **0.2µm filtered, Aseptically filled and double bagged for the sterile version**
- **Non Sterile Concept available as a 2 X 5 Litre cans**
- **Clearklens Cleansinald SS and RTU are presented in a ready to use 5L package and a 900mL trigger spray at 0.5% v/v with Water for Injection (WFI) while the SC version is available as 25 ml shots**
- **Supplied with certificates of analysis sterility and Endotoxin report**
- **ClearKlens Cleansinald SS, RTU, SC are used for cleaning and disinfection of walls, floors, work surfaces and process equipment in pharmaceuticals and cosmetics industries**
- **Specifically formulated and packaged for use on hard, non-porous surfaces in cleanrooms**
- **Broad spectrum of activity**
- **Compatible with ClearKlens Tego® 2000, ClearKlens Tego® 2001 and ClearKlens Bi-Spore as a rotational package**

Cat. No.	Description
7513417	CK Cleansinald 2 X 5 lts (non sterile)

Sterile IPA

ClearKlens IPA

Surface disinfectant, based on 70% isopropyl alcohol and 30% water for injection.

Two variants:

- **ClearKlens IPA SS is a 900ml bag in bottle ready to use solution ClearKlens IPA RTU is 5L ready to use double bagged canister Benefits**
- Ready to use
- No suck back trigger system
- 0.2µm filtered
- Gamma Irradiated
- Detex labelled for proof of irradiation
- Double bagged for easy transfer into the cleanroom
- Odourless, Non tainting, Low toxicity, Broad spectrum of activity



HAND DISINFECTANT

Levermed

For hygienic and surgical disinfection of hands

Levermed is a ready to use disinfectant for the hygienic and surgical disinfection of hands.

Composition

- n-Propanol IP 50%
- Iso-Propanol IP 20%
- Benzalkonium Chloride (50%) IP 0.5%
- Emollients

Features and Benefits

- Levermed is an alcohol based solution and is used for the disinfection of hands.
- It inactivates Bacteria, Fungi, Spores and Viruses in 30 sec.
- It does not contain additives that can irritate the skin. It contains skin emollients to protect and care for the skin.

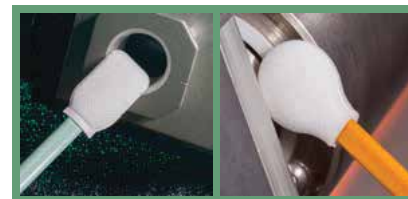


Cat. No.	Description
85022	Levermed (2 x 5 ltrs.)
85012	Levermed (20 x 500 ml.)

Alpha Series Swabs

Features and Benefits

- Double layer of polyester knit fabric for enhanced absorbency
- Engineered to resist snagging and abrading, preventing the release of particles and fibres
- Excellent chemical resistance for compatibility with a variety of solutions
- 100% virgin polypropylene handle ensures no additional contaminants are introduced while offering excellent chemical resistance



Applications

- Precision spot cleaning of grooves, tracks, slots and other small spaces
- Applying and removing lubricants, adhesives and other solutions in a critical clean environment
- Solvent use (such as IPA)
- Appropriate for use with temperatures less than 410°F

Industries • Biologics • Medical Device • Microelectronics • Optics • Pharmaceuticals • Semiconductor

Cat. No.	Description	Packing
TX714A	Large Alpha® Swab	100 swabs/bag
TX715	Alpha® Sampling Swab	100 swabs/bag
TX761	Alpha® Swab with Long Handle	100 swabs/bag
TX716	Large Absorbond® HPLC Sampling Swab	20 swab/bag

POR = Price on Request

TOC Cleaning Validation Kits

Texwipe's TOC Cleaning Validation Kits were designed to simplify sampling as part of a clearing validation protocol. The swabs and vials are further cleaned using a proprietary process to make these kits excellent for use in Total Organic Carbon (TOC) analysis

Features and Benefits

SWABS

- Certified Low TOC level (<50µg/L, <50ppb) ensures consistency in swab background contribution with 100% polypropylene handle
- Double layered, double knit polyester head entraps contaminants in knit structure during sampling. This allows maximum contaminant collection and release into the diluent to provide for excellent recovery rates
- Notched, break-away handle allows the head to be placed into the vial with minimal handling and contamination

VIALS

- Certified Low TOC level (<10µg/L, <10ppb) ensures consistency in vial background contribution
- Prewashed vials have a one-piece cap and septa design for easy sampling and analysis.
- Endorsed for use by TOC instrumentation manufacturers.

Applications

- Surface sampling for use in : TOC analysis as part of a cleaning validation protocol

As part of other cleaning validation protocols

Non - organic liquids Sampling for contamination source investigations



Cat. No.	Description	Packing
TX3340	Cleaning Validation Kit Components*	18 kits/case
TX3342	Bulk Cleaning Validation Kit Components**	1 kit/case
TX3343	Cleaning Validation Kit Components	18 kits/case

POR = Price on Request

* Each Product Containt 12 40 mL clear vials bonded septa caps, certified <10µg/L TOC

** Each Product Containt 72 40 mL clear vials bonded septa caps, certified <10µg/L TOC



Every Lab Every Day

Thermo Scientific™ Incubators & Ovens	150
Thermo Scientific™ Rockers, Rotators & Mixers	151
Thermo Scientific™ Drybaths / Block Heaters	152
Thermo Scientific™ MaxQ™ Shaker	153
Thermo Scientific™ Hot Plate Stirrers & Magnetic Stirrers	154
Thermo Scientific™ Savant DNA SpeedVac® Concentrators	155



The most compact unit of the Heratherm microbiological incubator family has an 18L capacity, ideal for personalized workspace.



From simple drying of glassware to the most complex and carefully controlled heating applications, your oven is an invaluable part of your daily work. The Heratherm oven range includes an array of solutions to match your needs.



With a temperature range of 4-60 °C, our refrigerated incubators are equipped to reach the precise application temperatures you need for reproducible results.



Thermo Scientific™ Shake 'n' Stack Hybridization Ovens are stackable, space-saving and have excellent uniformity which are ideal for molecular biology labs



Vacuum Ovens for basic drying, curing, outgassing, aging, process control and other applications requiring elevated temperature in reduced atmospheres or vacuum/purge with nonflammable and inert atmospheres

Thermo Scientific™ Incubators & Ovens

Cat. No.	Description
50125882	IMC18 Heratherm Compact Microbiological Incubators – 18 Lit, 17-40 C, 230 V, 50 Hz
51028130	Incubator - GP, 60L
51028131	Incubator - GP, 100L
51028133	Incubator - AP, 60L
51028134	Incubator - AP, 100L
PR205740R	Refrigerated Incubator - 170L
51008404	Refrigerated Incubator - 166L
51028139	Oven - Gravity, GP, 60L
51028140	Oven - Gravity, GP, 100L
51028142	Oven - Gravity, AP, 60L
51028143	Oven - Gravity, AP, 100L
51028148	Oven - Mechanical, GP, 60L
51028149	Oven - Mechanical, GP, 100L
51028151	Oven - Mechanical, AP, 60L
51028152	Oven - Mechanical, AP, 100L
V0914C	Vacuum Oven, 18.6L, 260 C
51014550	Vacuum Oven, 25L, 200 C
FB1410M	Bench top Muffle Furnaces, 2.1L, 1100 C
F48010†	Benchtop Muffle Furnaces, 5.8L, 1200 C
F6020C-33	Large Muffle Furnaces, 14L, 1200 C
BF51748C-1	Moldatherm Box Furnaces, 1.99L, 1100 C
BF51766C-1	Moldatherm Box Furnaces, 5.3L, 1100 C
BF51794C-1	Moldatherm Box Furnaces, 18.4L, 1100 C
BF51728C-1	Moldatherm Box Furnaces, 42.5L, 1100 C
TF55030C-1	Mini-Mite Tube Furnaces, 12" OD, 1100 C
6240	Shake 'n' Stack Hybridization Ovens, includes Shaker platform, 10-bottle capacity rotisserie, adjustable feet, drip tray, manual



Designed with safety in mind, Thermo Scientific™ furnaces offer temperature ranges from 1100°C to 1700°C. Light gauge overbend* (LGO) heating elements are designed to keep samples safe while maintaining reliable temperature uniformity.

Thermo Scientific™ Rockers, Rotators & Mixers

Our new Rocker, Rotator & Mixer are designed to be **SAFE, RELIABLE** and **EASY** to use. Now customers can maximize laboratory efficiency through reliable precision and can make safety and accuracy part of daily routine.

Cat. No.	Description
88881004	Bottle/Tube Roller; Variable Speed; Digital Display; Stackable; Humidity CO2 Resistance; 0.5-80rpm; 100-240V, 50/60Hz
Accessories	
88881010	Additional Rollers (pack of two)
88881011	O ring for 50ml tube (pack of 20) 23.5 x 3.55mm .93 x .14in
88881012	O ring for 15ml tube (pack of 20) 13.2 x 2.65mm .52 x .1in
88881013	Bar for stacking (pack of four)
88881014	Remote Control
88881002	Tube Revolver; Variable Speed; Digital Display; 10-40rpm; 100-240V, 50/60Hz
88880024	Compact Digital MicroPlate Shaker; Orbital motion; Chemical Resistance; Compact Design; 150-1200 RPM; AC 100-240V, 50/60Hz
88880020	Compact Digital Rocker; Rocking motion; Compact Design; 5-100 RPM; AC 100-240V, 50/60Hz
88880022	Compact Digital Waving Rotator; Waving motion; Compact Design; 8 -100 RPM; AC 100-240V, 50/60Hz
88880026	Compact Digital Mini Rotator; Orbital motion; Chemical Resistance; 50-300 RPM; AC 100-240V, 50/60Hz
Accessories	
88880104	Universal Attachment
88880106	Universal Platform
88880107	Flask Clamp for Shakers metal 50ml
88880108	Flask Clamp for Shakers metal 100ml
88880109	Flask Clamp for Shakers metal 250ml
88880110	Flask Clamp for Shakers metal 300ml
88880111	Flask Clamp for Shakers metal 500ml
88880112	Flask Clamp for Shakers metal 1L
88880113	Flask Clamp for Shakers metal 2L
88880018	LP Vortex Mixer; Touch, Continuous; Variable speed control; AC 100-240V, 50/60Hz
Accessories	
88880117	Micro plate Tray
88880118	Rubber Platform
88880119	Tube Holder with Insert Retainer
88880120	Tube Holder with Insert Retainer (Φ 10 mm)
88880121	Tube Holder with Insert Retainer (Φ 12 mm)
88880122	Tube Holder with Insert Retainer (Φ 15 mm)
88880123	Tube Holder with Insert Retainer (Φ 20 mm)
88880124	Tube Holder with Insert Retainer (Φ 25 mm)



Bottle/Tube Roller
(2 units depicted
with stacking kit)



Tube Revolver



Compact Digital
Microplate Shaker



Compact
Digital Rocker



Compact Digital
Waving Rotator



Compact
Digital Mini Rotator



LP Vortex Mix

EVERY LAB EVERY DAY



Digital Cooling Dry Bath



Blocks for cooling dry bath



Digital Shaking Dry Bath



Touch Screen Dry Bath



Blocks for Touch Screen Dry Bath

Thermo Scientific™ Drybaths / Block Heaters

Reliability you can depend on. Thermo Scientific™ versatile dry baths / block heaters offer a wide range of blocks to accommodate various tubes. Available with digital, shaking or touch screen controls, **our units provide outstanding temperature uniformity and stability** that help create the reproducible results that you need.

Maximize valuable bench space with our **compact, light weight** dry bath / block heater, available with multiple combinations of block sizes for tube size versatility.

Cat. No.	Description
88880030	Digital Cooling & Heating Dry Bath (w/o block)
Accessories (Blocks)	
88880129	Block micro tube 0.5 ml
88880130	Block micro tube 1.5 ml
88880131	Block centrifuge tube 15 ml
88880132	Block centrifuge tube 50 ml short
88880133	Block centrifuge tube 50 ml tall
88880134	Block Ø10mm tube
88880135	Block Ø12mm tube
88880136	Block Ø13mm tube
88880137	Block Ø15mm tube
88880138	Block Ø16mm tube
88880139	Block Ø18mm tube
88880140	Block Ø20mm tube
88880028	Digital Shaking Dry Bath (w/o block)
Accessories (Blocks)	
88880125	Block 96 well
88880126	Block 0.5 well
88880127	Block 1.5 ml
88880128	Block 50 ml
88870004	Single block: digital control, 4LED, Easy timer, 200-240V (w/o block)
88870005	Dual blocks: digital control, 4LED, Easy timer, 200-240V (w/o block)
88870006	Four blocks: digital control, 4LED, Easy timer, 200-240V (w/o block)
88870010	Single block: digital control, Timer, programmable, 4.3' touch screen, 200-240V (w/o block)
88870011	Dual blocks: digital control, Timer, programmable, 4.3' touch screen, 200-240V (w/o block)
88870012	Four blocks: digital control, Timer, programmable, 4.3' touch screen, 200-240V (w/o block)
Accessories (Blocks)	
88870101	46 x 6mm dia block
88870102	28 x 10mm dia block
88870103	28x 1.5ml block
88870104	28 x 2.0ml block
88870105	24 x 13mm dia block
88870106	15 x 16mm dia block
88870107	12 x 18mm dia block
88870108	8 x 20mm dia block
88870109	6 x 25mm dia block
88870110	40 x 0.5ml block
88870111	1 x 96well Elisa block
88870112	Mixed block 32 x 6mm dia + 21 x 10mm dia
88870113	Mixed block 18 x 1.5ml + 10 x 2.0ml
88870114	Mixed block 3 x 25mm dia + 12 x 12~13mm dia + 6 x 6mm dia
88870115	Mixed blk 30 x 0.5ml + 20 x 0.2ml

Cat. No.	Description
88870116	Flat bottom, 15 x 15ml block
88870117	Flat bottom 4 x 50ml block
88870118	Conical bottom, 15 x 15ml block
88870119	Conical bottom, 4 x 50ml
88870120	1 x 96 * 0.2 ml none skirted PCR plate block
88870121	1 x 96 * 0.2 ml, half or full skirted PCR plate block
88870122	Temperature Probe, PT1000, stainless steel
88871001	Compact Drybath, S 100-240V, US Style Plug (w/o block)
88871002	Compact Drybath, D 100-240V, US Style Plug (w/o block)
88871003	Compact Drybath, S 100-240V (w/o block)
88871004	Compact Drybath, D 100-240V (w/o block)
Accessories (Blocks)	
88871101	24 x 0.2ml Block for Compact Dry Bath
88871102	12 x 0.5ml Block for Compact Dry Bath
88871103	6 x 1.5ml Block for Compact Dry Bath
88871104	6 x 2.0ml Block for Compact Dry Bath
88871105	6 x 15ml Block for Compact Dry Bath
88871106	3 x 50ml Block for Compact Dry Bath
88871107	96-well / Flat Bottom Block for Compact Dry Bath
88871108	Heat Insulator for 2 blk
88871109	Heat Insulator for 4blk
88871110	Plastic Lid 1
88871111	Plastic Lid 2



Compact Dry Bath



Blocks for Compact Dry Bath

Thermo Scientific™ MaxQ™ Shaker

Our cutting-edge orbital shaker designs provide reliable around-the-clock operation ideally suited to keep your cells alive and flourishing within your working environment. Delivering reliability, simplicity and flexibility, our orbital shakers are easy to operate with a wide range of shaker options including analog or digital, incubated or refrigerated and benchtop or floor model, we make it easy to choose the right shaker solution for your laboratory.

Cat. No.	Description
88881104	MaxQ 2000 CO2 Plus, CO2 resistant shaker, Package, 100-240V
SHKE2000-1CE	Open Air Shaker - Max Q 2000
Accessories	
30100	13 x 11" (33 x 28 cm) - Universal Platform
30125	13 x 11" (33 x 28 cm) - Dual Stacked Universal Platform
30110	18 x 18" (45.7 x 45.7 cm) - Universal Platform
30128	18 x 18" (45.7 x 45.7 cm) - Dual Stacked Universal Platform
30106	24 x 18" (60.9 x 45.7 cm) - Universal Platform
SHKE4450-1CE	Incubated Benchtop Shaker - Max Q 4450
Accessories	
30100	13 x 11" (33 x 28 cm) - Universal Platform
SHKE3000-1CE	Open Air Shaker - Max Q 3000
Accessories	
30115BI	30 x 18" (76 x 45.7 cm) - Universal Platform
30124	30 x 18" (76 x 45.7 cm) - Dual Stacked Universal Platform
30120BI	36 x 24" (91 x 60.9 cm) - Universal Platform
30129	Flask Clamp Starter Kit for All shakers



CO2 Resistant Shaker



Max Q 4450



Cimarec+



Super Nova+



RT2 Advanced



Super - Nuova Multi-Position



Cimarec i



Cimarec Biosystem



Cimarec Mobil Direct

Thermo Scientific™ Hot Plate Stirrers & Magnetic Stirrers

Offer a wide variety of models and sizes to help maximize your experimental procedures. This extensive line allows you to select from basic stirrers, perfect for non critical stirring applications to more advanced, digital stirring hotplates where temperature and stirring accuracy are critical for success.

Cat. No.	Description
SP88857107	Cimarec+ basic 7" x 7" ceramic top hotplate stirrer, 230V, 50/60Hz, UK plug
SP88850107	Cimarec+ basic 10" x 10" ceramic top hotplate stirrer, 230V, 50/60Hz, UK plug
SP88857195	Supernova+ high-end 7" x 7" ceramic top hotplate stirrer, 230V, 50/60Hz
SP88850195	Supernova+ high-end 10" x 10" ceramic top hotplate stirrer, 230V, 50/60Hz
Accessories	
CIC0001445	Splash guard protection shield 7", for all Cimarec+ and Supernova+ 7" x 7" Stirrers and Hotplate Stirrers
CIC0001446	Splash guard protection shield 10", for all Cimarec+ and Supernova+ 10" x 10" Stirrers and Hotplate Stirrers
88880005	Hotplates Stirrer RT2 Advanced Model; 140mm top; Ceramic Coated aluminium 230V, 50/60Hz
Accessories	
88880143	Support Rod (Ø12mm, 400mm, M10)
88880147	Temperature Probe (PT 100, SN-8-4 connector sensor)
88880148	C-5, Clamp Holder (PP body, Ø12 mm)
88880149	3 Prong Clamp (60mm grip)
88880150	Temperature Probe (PT100, A Class, 400°C)
SP135930-33Q	Super-Nuova Multi-Position Digital Stirring Hotplates, 4 positions, 50 to 1200rpm, 1° to 370° C (33.8° to 698°F), 220-240V 50-60Hz
50098760	Power Direct 40 Lit Stirrer
50088128	Mobil Direct 150 Lit Stirrer
50093538	Cimarec i, Multipoint 15, 80 to 2000rpm, 100-240V
50088077	Cimarec i Telesystem 6 Position w/Telemodul 20C, 1-1500ml, 130 to 1400rpm, 100-240V
50088078	Cimarec i Telesystem 6 Position w/Telemodul 40C, 1-2000ml, 100 to 2000rpm, 100-240V
50088034	Cimarec i Telesystem 15 Position w/Telemodul 20C, 1-1000ml, 130 to 1400rpm, 100-240V
50088036	Cimarec i Telesystem 15 Position w/Telemodul 40C, 1-1200ml, 100 to 2000rpm, 100-240V
50088009	Cimarec i Telesystem 60 Position w/Telemodul 20C, 0.1-50ml, 130 to 1400rpm, 100-240V
50088011	Cimarec i Telesystem 60 Position w/Telemodul 40C, 0.1-100ml, 100 to 2000rpm, 100-240V

Thermo Scientific™ Savant DNA SpeedVac® Concentrators

Offer a dependable line of concentrators designed specifically for DNA and RNA applications. These compact, fully-integrated systems support the rapid and efficient concentration and drying of DNA/RNA samples, nucleic acids, PCR preps and synthetic oligos.

Overview

Thermo Scientific Savant DNA SpeedVac Concentrators ensure sample safety and reproducibility for your key DNA protocols:

- Drying down DNA/RNA precipitates in microplates or microtubes
- Drying down PCR samples in water/ethanol or isopropanol
- Drying down oligonucleotides

With three models to choose from, the Savant DNA SpeedVac concentrators can easily support your low-volume small quantity sample preparation research needs as well as your high-volume processing requirements.



For more than 45 years, the Savant SpeedVac® name has been recognized by scientific researchers and laboratory personnel around the world for delivering value, reliability, and performance in centrifugal vacuum concentration.

Cat. No.	Description
SPD140P1-230	SpeedVac SPD410DDA P1 Integrated System
SPD1030P1-230	SPD1030-115V Kit
SPD130DLX-230	SpeedVac SPD130 Deluxe Vacuum Concentrator
SPD130P1-230	SPD130DLXPP1 Integrated System with rotor
SPD120P2-230	SPD120P2 Integrated System with rotor
SPD120P1-230	SpeedVac SPD120P1 Integrated System
SPD140DDA-230	SpeedVac SPD140DDA Acid Resistant Concentrator
DNA130-230	DNA120 concentrator with integrated pump includes RD36 rotor



Integrated Systems

DNA130, Easy-to-use, kits ideal for nucleic acid applications. SPD1030 and SPD2030 Kits These integrated models include a microprocessor control panel with programable Memory, a concentrator, refrigerated trap, vacuum gauge and a diaphragm pump - all in one compact unit. Typical applications include HPLC fractions with water/0.1% trifluoroacetic acid and reversed-phase SPE eluents.

Modular Systems

Modular Systems SPD120, SPD130 Kits Modular concentrators offer added flexibility for limited benchtop space. Perfect for evaporation of non-aggressive organic solvents such as methanol, acetonitrile, water and HPLC fractions. SPD120P2 can be used for lyophilisation. The SPD140 kits The SPD140 kits offer resistance to TFA, DMSO and other aggressive solvents used in combinatorial chemistry applications. Savant SpeedVac™ Kit SPD300 kits Large-capacity vacuum concentrator with a modular design, ideal for drying aggressive organic solvents, strong acids, bases, and combinatorial chemistry solvents. It is capable of drying larger quantities of samples at one time and can support high-volume sample preparation needs.



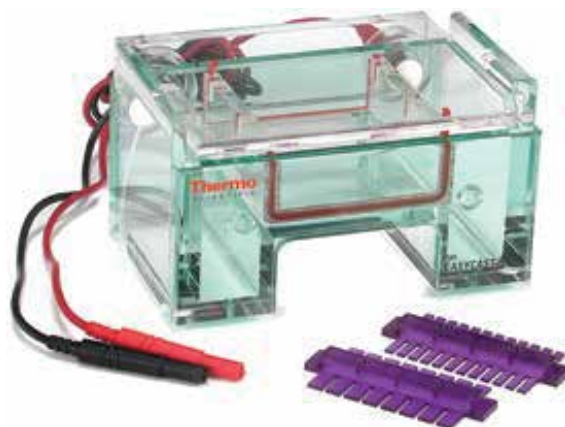
electrophoresis

Thermo Scientific Owl EasyCast B1A Mini Gel Electrophoresis Systems	157
Thermo Scientific Owl EasyCast B1 Mini Gel Electrophoresis Systems	159
Thermo Scientific Owl EasyCast B2 Mini Gel Electrophoresis Systems	161
Thermo Scientific Owl EasyCast B3 Gel System with Built-In Recirculation	163
Thermo Scientific Owl D3-14 Horizontal Electrophoresis System	165
Thermo Scientific Owl A1 Large Gel Systems	166
Thermo Scientific Owl A2 Large Gel Systems	167
Thermo Scientific Owl P81 Single-Sided Vertical Electrophoresis System	168
Thermo Scientific Owl P82 Dual-Gel Electrophoresis System	169
Thermo Scientific Owl P8DS Dual-Gel Vertical Electrophoresis System	170
Thermo Scientific Owl EC-105 Compact Power Supply	171
Thermo Scientific Owl P82 Dual Gel System Replacement Parts	171
Thermo Scientific Owl EC-200XL High Current Power Supply	172
Thermo Scientific Owl EC-1000XL Programmable Power Supply	172

Thermo Scientific Owl EasyCast B1A Mini Gel Electrophoresis Systems

Ideal size for every lab to provide flat, even banding patterns and consistent results with less hassle

- Perfect size to determine molecular weight ranges of PCR fragments or larger sized DNA molecules
- All in one design allows the option of casting and running a gel in the buffer chamber, eliminating the need for additional equipment. Two comb slots on gel tray double sample capacity by doubling number of sample wells
- UVT gel trays are silk screened with a fluorescent ruler for easy measurement of bands
- Feature leakproof casting that allows a gel to be cast and run in the same chamber with no tape or additional parts required
- Run from 5 to 24 samples in 15 minutes



Ordering Information:

Ordering Information: Available with optional buffer exchange ports (B1A-BP) for use with an external recirculation pump.

Includes:

Main buffer chamber, SuperSafe* lid with attached power supply leads, EasyCast gasketed UVT gel tray, two double-sided combs: 6 & 10 well, 1.0/1.5mm thick

Warranty: Three years

Certifications: CE marked

Cat. No.	Description	Horizontal System	Gel Size (L x W)	Footprint (L x W x H)	Running Buffer Volume	Sample Range
B1A	EasyCast	Mini	8 x 7cm	16 x 10.5 x 9.5cm (6.31 x 4.13 x 3.75in.)	400mL	5 to 24
B1A-BP	EasyCast w/Buffer exchange ports	Mini	8 x 7cm	16 x 10.5 x 9.5cm (6.31 x 4.13 x 3.75in.)	400mL	5 to 24

Thermo Scientific Owl EasyCast B1A Mini Gel System Replacement Parts

- Power supply leads include a retractable sheath end for convenience and safety
- Power supply leads are manufactured with strain relief cord to prevent breakage

Cat. No.	Description
PSL-5	Power supply leads, 3 ft. (includes One black and one red lead)
B1A-UVT	EasyCast gasketed rapid load UVT gel tray with 12 slots and 12 rapid load combs (B2-RL-9D)
B1A-GK	Replacement gaskets (1 pair)
B1A-CST	External caster (trays & combs not included)

Thermo Scientific Owl Leveling Platform

- Three-point leveling platform ensures flat casting and running surface Includes bubble level



Cat. No.	Description	Dimensions
BBL-1	Bubble Level	N/A
B-LP	Leveling Platform	36 x 46cm

Thermo Scientific Owl EasyCast B1A Mini Gel Electrophoresis System Combs

Cat. No.	Description	Thickness / Width of Teeth	RECOMMENDED LOADING VOLUMES Calculated at 75% of total well volume			
			0.25cm gel thickness	0.5cm gel thickness	0.75cm gel thickness	0.75cm gel thickness
B1A-5C	Standard comb; 5 teeth	1.0mm / 11.3mm	8µL	30µL	51µL	72µL
B1A-5D	Standard comb; 5 teeth	1.5mm / 11.3mm	13µL	44µL	76µL	108µL
B1A-6	Double-sided comb; 6 teeth	1.0 / 1.5mm / 9.1 / 9.1mm	7 / 10µL	24 / 36µL	41 / 61µL	58 / 87µL
B1A-8	Double-sided comb; 8 teeth	1.0 / 1.5mm / 6.4 / 6.4mm	5 / 7µL	17 / 25µL	29 / 43µL	41 / 61µL
B1A-10	Double-sided comb; 10 teeth	1.0 / 1.5mm / 4.8 / 4.8mm	4 / 5 µL	13 / 19µL	21 / 32µL	30 / 46µL
B1A-12	Double-sided comb; 12 teeth	1.0 / 1.5mm / 3.7 / 3.7mm	3 / 4µL	10 / 14µL	16 / 25µL	23 / 35µL
B1A-PREP	Prep comb; 2 teeth	1.5mm / 57 / 5 mm	64 / 6µL	225 / 19µL	385 / 32µL	550 / 46µL

† Customized combs are available (Order SKU # XCM). Please contact your Customer Service Representative for further details.

Thermo Scientific Owl EasyCast B1 Mini Gel Electrophoresis Systems

Durability and ease of use makes this the perfect choice for students and high volume researchers

- Economical enough for every researcher to have one at their workstation
- Leakproof casting that allows a gel to be cast and run in the same chamber with no tape or additional parts required
- Offers a wide range of combs
- Two comb slots on gel tray double sample capacity by doubling number of sample wells
- UVT gel trays are silk screened with a fluorescent ruler for easy measurement of bands

Ordering Information:

Available with optional buffer exchange ports, (B1-BP), for use with an external recirculation pump. Please order using Cat. No. B1 when ordering the EasyCast system without buffer exchange ports.

Includes:

Main buffer chamber, SuperSafe* lid with attached power supply leads, EasyCast Gasketed UVT gel tray, two Combs: 10 & 14 Well, Double-sided, 1.0/1.5mm thick

Warranty: Three years

Certifications: CE marked



Cat. No.	Description	Horizontal System	Gel Size (L x W)	Footprint (L x W x H)	Running Buffer Volume	Sample Range
B1	EasyCast	Mini	11 x 9cm	22 x 15 x 9.5cm (8.63 x 5.88 x 3.75in.)	600mL	5 to 34
B1-BP	EasyCast w/buffer exchange ports	Mini	11 x 9cm	22 x 15 x 9.5cm (8.63 x 5.88 x 3.75in.)	600mL	5 to 34

Thermo Scientific Owl EasyCast B1 Mini Gel System Replacement Parts

- Power supply leads include a retractable sheath end for convenience and safety
- Power supply leads are manufactured with strain relief cord to prevent breakage

Cat. No.	Description
PSL-5	Power supply leads, 3 ft. (includes one black and one red lead)
B1-UVT	Gasketed UVT Gel Tray
B1-GK	GK Replacement Gaskets (1 pair)
B1-CST	CST External Caster (trays and combs not included)

Thermo Scientific Owl Leveling Platform



■ Three-point leveling platform ensures flat casting and running surface. Includes bubble level.

Cat. No.	Type	Dimensions
BBL-1	Bubble Level	N/A
B-LP	Leveling Platform	36 x 46cm

Thermo Scientific Owl EasyCast B1A Mini Gel Electrophoresis System Combs

Cat. No.	Description	Thickness / Width of Teeth	RECOMMENDED LOADING VOLUMES Calculated at 75% of total well volume			
			0.25cm gel thickness	0.5cm gel thickness	0.75cm gel thickness	0.75cm gel thickness
B1A-5C	Standard 5-tooth comb	1.0mm / 15.4mm	12µL	40µL	69µL	98µL
B1A-5D	Standard 5-tooth comb	1.5mm / 15.4mm	17µL	61µL	104µL	147µL
B1A-6	Standard 8-tooth comb	1.0mm / 9.0mm	7µL	24µL	40µL	57µL
B1A-8	Standard 8-tooth comb	1.5mm / 9.0mm	10µL	35µL	61µL	86µL
B1A-10	Double-sided 10 tooth comb	1.0 / 1.5mm / 6.8 / 6.8mm	5 / 8µL	18 / 27µL	31 / 46µL	43 / 65µL
B1A-12	Standard 12 tooth comb	1.0mm / 5.4mm	4µL	14µL	24µL	34µL
B1A-PREP	Standard 12 tooth comb	1.5mm / 5.4mm	6µL	21µL	36µL	51µL
B1A-PREP	Double-sided 14 tooth comb	1.0 / 1.5mm / 4.4 / 4.4mm	3 / 5µL	11 / 17µL	20 / 29µL	28 / 42µL
B1A-PREP	Rapid-load 9 tooth (1X) comb	1.0mm / 7.2mm	5µL	19µL	32µL	46µL
B1A-PREP	Rapid-load 9 tooth (1X) comb	1.5mm / 7.2mm	8µL	28µL	49µL	69µL
B1A-PREP	Rapid-load 17 tooth (2X) comb	1.0mm / 2.5mm	2µL	7µL	12µL	17µL
B1A-PREP	Rapid-load 17 tooth (2X) comb	1.5mm / 2.5mm	3µL	11µL	18µL	26µL
B1A-PREP	Prep comb	1.5mm / 78 / 5mm	90 / 6µL	310 / 19µL	525 / 32µL	750 / 46µL

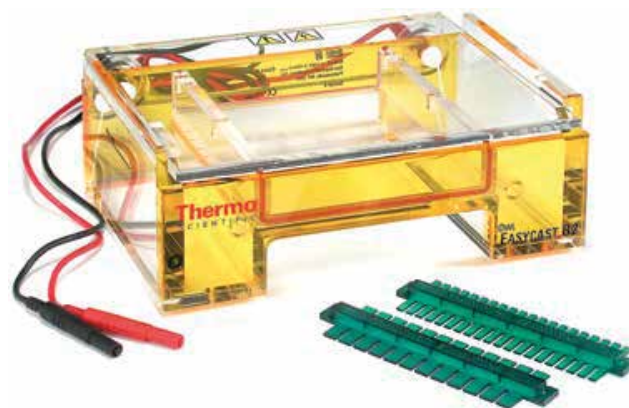
† Customized combs are available (Order SKU # XCM). Please contact your Customer Service Representative for further details.

‡ 8 and 12-channel pipette format (1X) and (2X) combs.

Thermo Scientific Owl EasyCast B2 Mini Gel Electrophoresis Systems

Outstanding flexibility in a small footprint

- Our most popular system with simple to use casting method, and multiple comb and tray options
- Leakproof casting allows a gel to be cast and run in the same chamber with no tape or additional parts required.
- Longer gel length and the 2 comb slots provide the flexibility of running 8 to 48 samples on 1 gel
- Optional rapid load tray can increase the maximum number of samples to 108 in an 8 or 12 multichannel pipette format.
- 2 comb slots on the U.V. Transmissible (UVT) gel tray double sample capacity by doubling the number of sample wells
- UVT gel trays are silk screened with a fluorescent ruler for easy measurement of bands



Ordering Information:

Available with optional buffer exchange ports (B2-BP) for use with an external recirculation pump.

Includes:

Buffer chamber, SuperSafe* lid with attached power supply leads, EasyCast gasketed U.V. Transmissible (UVT) gel tray, 2 combs: 12 & 20 well, double-sided, 1.0/1.5 mm thick.

Warranty: Three years

Certifications: CE marked

Cat. No.	Description	Horizontal System	Gel Size (L x W)	Footprint (L x W x H)	Running Buffer Volume	Sample Range
B2	EasyCast	Mini	14 x 12cm	24.5 x 18 x 9.5cm (9.63 x 7.06 x 3.75in.)	800mL	8 to 48
B2-BP	EasyCast w/buffer exchange ports	Mini	14 x 12cm	24.5 x 18 x 9.5cm (9.63 x 7.06 x 3.75in.)	800mL	8 to 48

Thermo Scientific Owl EasyCast Mini Gel System Replacement Parts

- Power supply leads include a retractable sheath end for convenience and safety
- Power supply leads are manufactured with strain relief cord to prevent breakage

Cat. No.	Description
PSL-5	Power supply leads, 3 ft. (includes one black and one red lead)
B2-UVT	EasyCast gasketed UVT gel tray
B2-GK	Replacement gaskets (1 pair)

Thermo Scientific Owl EasyCast B2 Mini Gel System Accessories

Cat. No.	Description
B2-RL-UVT	EasyCast gasketed rapid load UVT gel tray with 12 slots
B2-RL	EasyCast gasketed rapid load UVT gel tray with 12 slots and 12 rapid load combs, B2-RL-9D
B2-CST	External caster for casting up to 3 gels at once (trays & combs not included)

Thermo Scientific Owl Leveling Platform



- Three-point leveling platform ensures flat casting and running surface
- Includes bubble level

Cat. No.	Description	Dimensions
BBL-1	Bubble Level	N/A
B-LP	Leveling Platform	36 x 46cm

Thermo Scientific Owl EasyCast B2 Mini Gel Electrophoresis System Combs

Cat. No.	Description	Thickness / Width of Teeth	RECOMMENDED LOADING VOLUMES Calculated at 75% of total well volume			
			0.25cm gel thickness	0.5cm gel thickness	0.75cm gel thickness	0.75cm gel thickness
B2-8C	Standard 8-tooth comb	1.0mm / 12.5mm	9µL	33µL	56µL	80µL
B2-8D	Standard 8-tooth comb	1.5mm / 12.5mm	14µL	49µL	84µL	120µL
B2-12	Double-sided 12 tooth comb	1.0 & 1.5mm / 7.2mm	5 / 8 µL	18 / 28µL	32 / 49µL	46 / 69µL
B2-16	Double-sided 16 tooth comb	1.0 & 1.5mm / 5.4mm	4 / 6µL	14 / 21µL	24 / 36µL	34 / 52µL
B2-20	Double-sided 20 tooth comb	1.0 & 1.5mm / 3.9mm	3 / 4µL	10 / 15µL	18 / 26µL	25 / 37µL
B2-24	Double-sided 24 tooth comb	1.0 & 1.5mm / 3.0mm	2 / 3µL	8 / 12µL	14 / 20µL	19 / 29µL
B2-RL-9C†	Rapid-load 9 tooth (1X) comb	1.0mm / 7.2mm	5µL	19µL	32µL	46µL
B2-RL-9D†	Rapid-load 9 tooth (1X) comb	1.5mm / 7.2mm	8µL	28µL	49µL	69µL
B2-RL-25C†	Rapid-load 25 tooth (2X) comb	1.0mm / 2.5mm	2µL	7µL	12µL	17µL
B2-RL-25D†	Rapid-load 25 tooth (2X) comb	1.5mm / 2.5mm	3µL	11µL	18µL	26µL
B2-PREP	Prep comb w/2 teeth	1.5mm / 106 / 5	120 / 5.5µL	415 / 20µL	710 / 34µL	1000 / 48µL
B2-WALL	Wall comb w/1 tooth	1.5mm / 120	—	—	—	—

† Customized combs are available (Order SKU # XCM). Please contact your Customer Service Representative for further details.

‡ 8 and 12-channel pipette format (1X) and (2X) combs.

Thermo Scientific Owl EasyCast B3 Gel System with Built-In Recirculation

Built-in Recirculation is ideal for long runs, multiple sample sets or RNA gels

- Prevent the formation of pH and ionic gradients
- Provide high resolution and uniform, reproducible results
- Deliver clear results for samples run over long time periods
- Does not require external pumps, tubing or stir bars, because recirculation system is built into buffer chamber
- Eliminate uneven migration, band distortion or disassociation of pH-dependent glyoxylated RNA molecules that can result when ionic depletion occurs

Includes:

Mini gel system that consists of buffer chamber, SuperSafe* lid with attached power supply leads, EasyCast* gasketed UVT gel tray, as well as 12- and 20-well, double-sided 1.0/1.5mm thick combs.

Warranty: Three years

Certifications: CE marked



Cat. No.	Description	Horizontal System	Gel Size (L x W)	Footprint (L x W x H)	Running Buffer Volume	Sample Range
B3	EasyCast	Mini	14 x 12cm	25 x 18 x 12cm (9.75 x 7 x 4.72in.)	1000mL	8 to 50

Thermo Scientific Owl EasyCast Mini Gel System Replacement Parts

- Power supply leads include a retractable sheath end for convenience and safety
- Power supply leads are manufactured with strain relief cord to prevent breakage

Cat. No.	Description
PSL-5	Power supply leads, 3 ft. (includes one black and one red lead)
B2-UVT	EasyCast gasketed UVT gel tray
B2-GK	Replacement gaskets (1 pair)

Thermo Scientific Owl EasyCast Mini Gel System Accessories

Cat. No.	Description
B2-RL-UVT	EasyCast gasketed rapid load UVT gel tray with 12 slots
B2-RL	EasyCast gasketed rapid load UVT gel tray with 12 slots and 12 rapid load combs
B2-CST	External caster (trays & combs not included)

Thermo Scientific Owl EasyCast B3 Gel System with Built-In Recirculation

continued



Thermo Scientific Owl Leveling Platform

- Three-point leveling platform ensures flat casting and running surface
- Includes bubble level

Cat. No.	Type	Dimensions
BBL-1	Bubble Level	N/A
B-LP	Leveling Platform	36 x 46cm

Thermo Scientific Owl EasyCast B2 Mini Gel Electrophoresis System Combs

Cat. No.	Description	Thickness / Width of Teeth	RECOMMENDED LOADING VOLUMES Calculated at 75% of total well volume			
			0.25cm gel thickness	0.5cm gel thickness	0.75cm gel thickness	0.75cm gel thickness
B2-8C	Standard 8-tooth comb	1.0mm / 12.5mm	9µL	33µL	56µL	80µL
B2-8D	Standard 8-tooth comb	1.5mm / 12.5mm	14µL	49µL	84µL	120µL
B2-12	Double-sided 12 tooth comb	1.0 & 1.5mm / 7.2mm	5 / 8 µL	18 / 28µL	32 / 49µL	46 / 69µL
B2-16	Double-sided 16 tooth comb	1.0 & 1.5mm / 5.4mm	4 / 6µL	14 / 21µL	24 / 36µL	34 / 52µL
B2-20	Double-sided 20 tooth comb	1.0 & 1.5mm / 3.9mm	3 / 4µL	10 / 15µL	18 / 26µL	25 / 37µL
B2-24	Double-sided 24 tooth comb	1.0 & 1.5mm / 3.0mm	2 / 3µL	8 / 12µL	14 / 20µL	19 / 29µL
B2-RL-9C†	Rapid-load 9 tooth (1X) comb	1.0mm / 7.2mm	5µL	19µL	32µL	46µL
B2-RL-9D†	Rapid-load 9 tooth (1X) comb	1.5mm / 7.2mm	8µL	28µL	49µL	69µL
B2-RL-25C†	Rapid-load 25 tooth (2X) comb	1.0mm / 2.5mm	2µL	7µL	12µL	17µL
B2-RL-25D†	Rapid-load 25 tooth (2X) comb	1.5mm / 2.5mm	3µL	11µL	18µL	26µL
B2-PREP	Prep comb w/2 teeth	1.5mm / 106 / 5	120 / 5.5µL	415 / 20µL	710 / 34µL	1000 / 48µL
B2-WALL	Wall comb w/1 tooth	1.5mm / 120	—	—	—	—
B2-WALL	Wall comb w/1 tooth	1.5mm / 120	—	—	—	—

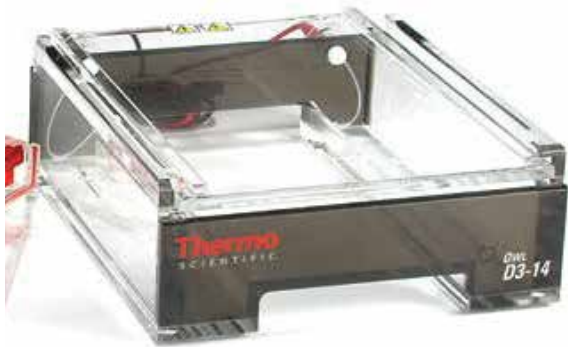
† Customized combs are available (Order SKU # XCM). Please contact your Customer Service Representative for further details.

‡ 8 and 12-channel pipette format (1X) and (2X) combs.

Thermo Scientific Owl D3-14 Horizontal Electrophoresis System

Ideal for screening PCR products, plasmid preps, restriction mapping and cloning

- PSystem screens 25 to 200 samples on a single agarose gel in less than 30 minutes, producing clear, tight banding patterns with no “smiling”
- With special combs and a multichannel pipetter, samples are loaded directly from a 96-well plate, 8 or 12 at a time
- Incorporates our Owl™ EasyCast* casting design with external caster — gel tray is fitted with gasket, allowing it to fit snugly into caster and providing a leakproof seal without tape
- Sample loading with multichannel pipetter speeds up transfer
- Electrode placement allows gel to be run quickly without compromising resolution
- Bubble level ensures casting of flat, uniformly thick gels



Includes:

Buffer chamber, SuperSafe* lid with attached power cords, EasyCast* gasketed UVT gel tray, external caster, four combs (50 micro well, 1.5mm thick).

Warranty: Three years

Certifications: CE marked

Cat. No.	Horizontal System	Gel Size (L x W)	Footprint (L x W x H)	Running Buffer Volume	Sample Range
D3-14	Wide	14 x 23cm	30 x 27 x 11 cm (11.8 x 10.6 x 4.3in.)	800mL	25 to 200

Thermo Scientific Owl D3-14 System Replacement Parts

- Power supply leads include a retractable sheath end for convenience and safety
- Power supply leads are manufactured with strain relief cord to prevent breakage
- UVT gel tray incorporates gasketed end gates which provide a leakproof seal without tape
- Comb slots are positioned so you can arrange up to 12 sample sets on the same gel

Cat. No.	Description
PSL-5	Power supply leads, 3 ft. (includes one black and one red lead)
D3-UVT-14	EasyCast gasketed UVT gel tray
D3-GK	Replacement gaskets (1 pair)
D3-CST-14	D3-CST-14 External caster (no trays/combs)

Thermo Scientific Owl A1 Large Gel Systems



Smallest footprint of a large format device, and is ideal for detailed RNA/DNA analysis

- Gel can be cast in varying lengths to help conserve agarose when fewer samples need to be run
- Optional built-in buffer exchange ports allow for buffer recirculation on extended runs
- Programmable power inverter may be used for field reversal electrophoresis
- UVT gel tray has gasketed end gates for leakproof seal without tape
- Built-in leveling ensures flat, uniformly thick gels
- Comb slots allow two, three or four sample sets of equal lengths to be run on the same gel
- Microwell-format combs provide fast, error-free sample loading with a multichannel pipetter
- Samples may be loaded directly from a 96-well plate, 8 or 12 at a time

Includes:

Buffer chamber with three-point leveling base, SuperSafe* lid with attached power supply leads, UVT gel tray, gasketed end gates, three combs (12, 16 and 20-well), 1.5mm thick

Warranty: Three years

Certifications: CE marked

Cat. No.	Horizontal System	Gel Size (L x W)	Footprint (L x W x H)	Running Buffer Volume	Sample Range
A1	Large	25 x 13cm	37.5 x 21.5 x 11cm (14.8 x 8.5 x 4.3in.)	1.6L	8 to 150
A1-BP	Large, w/buffer exchange ports	25 x 13cm	37.5 x 21.5 x 11cm (14.8 x 8.5 x 4.3in.)	1.6L	8 to 150

Thermo Scientific Owl A1 Large Gel System Replacement Parts

- Power supply leads include a retractable sheath end for convenience and safety
- Power supply leads are manufactured with strain relief cord to prevent breakage
- Unique electrode placement allows this gel to be run quickly without compromising the resolution
- UVT gel tray incorporates gasketed end gates which provide a leakproof seal without tape

Cat. No.	Description
PSL-5	Power supply leads, 3 ft. (Includes one black and one red lead)
A1-UVT	UVT gel tray with gasketed end gates
A1-GK	Replacement gaskets (1 pair)
A1-EG	Replacement end gates (1 pair)

Thermo Scientific Owl A2 Large Gel Systems

Ideal for detailed RNA/DNA analysis and handle high throughput with consistent, reliable results

- Gel can be cast in varying lengths to help conserve agarose when fewer samples need to be run
- Optional built-in buffer exchange ports allow for buffer recirculation on extended runs
- UVT gel tray has gasketed end gates for leakproof seal without tape
- Built-in leveling ensures flat, uniformly thick gels
- Comb slots allow two, three or four sample sets of equal lengths to be run on the same gel
- Microwell-format combs provide fast, error-free sample loading with a multichannel pipetter
- Samples may be loaded directly from a 96-well plate, 8 or 12 at a time
- Offers the greatest variety of comb options

Includes:

Buffer chamber with three-point leveling base, SuperSafe* lid with attached power supply leads, UVT gel tray, gasketed end gates, three combs (16, 24 and 36-well), 1.5mm thick

Warranty: Three years

Certifications: CE marked



Cat. No.	Horizontal System	Gel Size (L x W)	Footprint (L x W x H)	Running Buffer Volume	Sample Range
A2	Large	25 x 20cm	37.5 x 32.5 x 10.5cm (14.8 x 12.8 x 4.1 in.)	2.3L	8 to 432
A2-BP	Large, w/buffer exchange ports	25 x 20cm	37.5 x 32.5 x 10.5cm (14.8 x 12.8 x 4.1 in.)	2.3L	8 to 432

Thermo Scientific Owl A2 Large Gel System Replacement Parts

- Power supply leads include a retractable sheath end for convenience and safety
- Power supply leads are manufactured with strain relief cord to prevent breakage

Cat. No.	Description
PSL-5	Power supply leads, 3 ft. (includes one black and one red lead)
A2-UVT	UVT gel tray with gasketed end gates
A2-GK	Replacement gaskets (1 pair)
A2-EG	Replacement end gates (1 pair)

Thermo Scientific Owl Leveling Platform

- Three-point leveling platform ensures flat casting and running surface
- Includes bubble level

Cat. No.	Type
BBL-1	Bubble Level

Thermo Scientific Owl P81 Single-Sided Vertical Electrophoresis System



Economical system for quick protein runs

- Simple, rugged system provides excellent results
- Upper buffer chamber extends the length of the gel to distribute heat evenly across the entire gel surface
- Side clamps press glass plates against silicone gasket to provide uniform pressure and form a leakproof seal resulting in flat, even banding patterns
- Notched alumina ceramic plate (included) may be used in front of notched glass for cooler, faster runs

Includes:

Upper and lower buffer chambers, SuperSafe* lid with attached power supply leads, blank glass plate, notched glass plate, notched alumina plate, two combs (10 well, 0.8mm thick), spacer set (0.8mm thick)

Warranty: Three years

Certifications: CE marked

Cat. No.	Vertical System	Gel Size (L × W)	Footprint (L × W × H)	Running Buffer Volume		
				Upper Buffer	Lower Buffer	Total Buffer
P81	Single Sided	10 × 10cm	18 × 8 × 13cm (7.1 × 3.1 × 5.1in.)	100mL	50mL	150mL

Thermo Scientific Owl P81 System Replacement Parts

- Power supply leads include a retractable sheath end for convenience and safety
- Power supply leads are manufactured with strain relief cord to prevent breakage

Cat. No.	Description	Dimensions
PSL-5	Power supply leads, 3 ft. (one black and one red lead)	—
P81-009	Supersafe* lid with attached power supply leads	—
P8-GK	Orange replacement gaskets (1 pair)	—
P8-CL	Side clamps (1 pair)	—
R10446	Wing knob	—
P7-SA	Spacer Set (2 sides, 1 bottom)	0.5cmW x 0.5mm thickness
P7-SC	Spacer Set (2 sides, 1 bottom)	0.5cmW x 0.8mm thickness
P7-SD	Spacer Set (2 sides, 1 bottom)	0.5cmW x 1.5mm thickness
P7-10R	Notched glass	10cmL x 10cmW x 3/32" thickness
P7-10G	Blank Glass	10cmL x 10cmW x 3/32" thickness
P7-10FR	Frosted notched glass	10cmL x 10cmW x 3/32" thickness
P7-10FG	Frosted blank glass	10cmL x 10cmW x 3/32" thickness
P7-10RA	Notched alumina plate	10cmL x 10cmW x 1.0mm thickness

Thermo Scientific Owl P82 Dual-Gel Electrophoresis System

Easy to use system produces flat, even banding and crisp resolution

- Runs two 10 x 10cm gels or one gel when used with blocking plate; accommodates 8 x 10cm gels utilizing the provided adapter
- Allows gels to easily be placed into the device
- Wedge placed in front of the cassettes provides even pressure against the leakproof gasket, places the cassettes in proper running position
- Two sizes of wedges accommodate varying thickness of precast gels
- Flexible — use precast polyacrylamide gels or hand cast gels
- No cooling required

Includes:

Inner buffer chambers, buffer tank, SuperSafe* lid with attached power supply leads, two wedges (1.27cm thick), two wedges (1.59cm thick), adapter plates for 10 x 8 gels (2) and blocking plate

Warranty: Three years

Certifications: CE marked



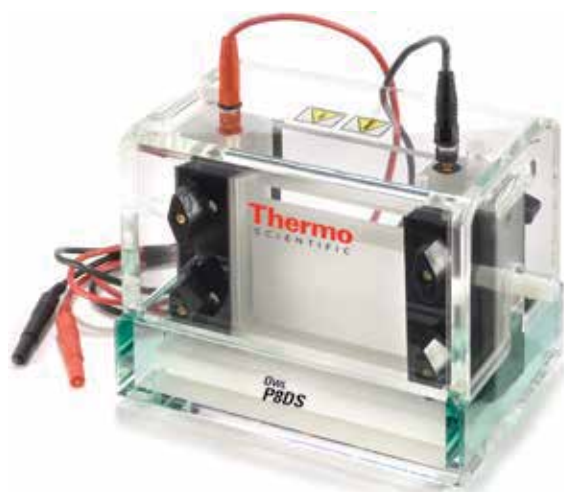
Cat. No.	Vertical System	Gel Size (L x W)	Footprint (L x W x H)	Running Buffer Volume		
				Upper Buffer Chamber Vol.	Lower Buffer Chamber Max. Vol.	Lower Buffer Chamber Min. Vol. (8cm / 10cm gel)
P82	Double Sided	8-10 x 10cm	15.2 x 12.4 x 17cm (5.88 x 4.75 x 6.69")	150mL	300mL	150mL

Thermo Scientific Owl P82 Dual Gel System Replacement Parts

- Power supply leads include a retractable sheath end for convenience and safety
- Power supply leads are manufactured with strain relief cord to prevent breakage

Cat. No.	Description	Dimensions
PSL-5	Power supply leads, 3 ft. (Includes one black and one red lead)	—
OG-PL1	Blocking plate	—
R12009	Replacement gaskets (1 pair)	—
P82DS-016	Adapter plate	—
P82DS-012	Thick replacement wedge; 1.59cm	—
P82DS-013	Thin replacement wedge; 1.27cm	—
P82DS-GK	Replacement gasket (1 pair)	—
P7-SA	Spacer Set (2 sides, 1 bottom)	0.5cmW x 0.5mm thickness
P7-SC	Spacer Set (2 sides, 1 bottom)	0.5cmW x 0.8mm thickness
P7-SD	Spacer Set (2 sides, 1 bottom)	0.5cmW x 1.5mm thickness
P7-10R	Notched glass	10cmL x 10cmW x 3/32" thickness
P7-10G	Blank glass	10cmL x 10cmW x 3/32" thickness
P7-10FR	Frosted notched glass	10cmL x 10cmW x 3/32" thickness
P7-10FG	Frosted blank glass	10cmL x 10cmW x 3/32" thickness
P7-10RA	Notched alumina plate	10cmL x 10cmW x 1.0mm thickness

Thermo Scientific Owl P8DS Dual-Gel Vertical Electrophoresis System



Ideal for two-dimensional electrophoresis

- Quickly and easily casts and runs 1 or 2 gels in the same device
- Perfect tool for second dimension protocols of 2-D electrophoresis, SDS and agarose gels, and native PAGE electrophoresis
- Unique agarose plug method makes casting gel simple and quick. Gel assemblies do not have to be moved once set-up. Two individual steps of casting and running in different devices are now combined. Simply secure the glass cassettes, pour the agarose plug in the specially designed trough, cast polyacrylamide solution in the cassettes, load samples, and run the gel. Manufactured using a time-tested acrylic fabrication technology, providing a durable, long-lasting system
- Central cooling core provides even cooling across the gel surface for outstanding resolution and clear banding
- Cooling is achieved by circulating fluid through the core with external circulator or cool tap water
- Very simple clamping mechanism makes loading glass cassettes and most manufacturers' precast gels trouble free

Includes:

Complete System consist of Upper Buffer Chamber with Internal Cooling Core, Lower Buffer Chamber, SuperSafe Lid with Attached Power Supply Leads, 4 Blank Glass Plates, 2 Notched Glass Plates, 2 Notched Alumina Plates, 2 Spacer Sets: 0.8 mm Thick, Blocking Plate for Single Gel Operation, Spacer Placer, 2 Combs: 10 Well, 0.8 mm Thick

Warranty: Three years

Cat. No.	Description	Vertical System	Gel Size (L x W)	Footprint (L x W x H)	Running Buffer Volume		
					Lower Buffer	Upper Buffer	Total
P8DS-1	P8DS Complete System plus Caster	Double Sided	8-10 x 10cm	17 x 13 x 14cm (6.7 x 5.1 x 5.5")	150mL	150mL	300mL
P8DS-2	P8DS Complete System	Double-sided	8-10 x 10cm	17 x 13 x 14cm (6.7 x 5.1 x 5.5")	150mL	150mL	300mL
P8DS-3	P8DS Apparatus Only	Double Sided	8-10 x 10cm	17 x 13 x 14cm (6.7 x 5.1 x 5.5")	150mL	150mL	300mL

Thermo Scientific Owl P8DS Gel System Replacement Parts

- Three-point leveling platform ensures flat casting and running surface
- Includes bubble level

Cat. No.	Description	Dimensions
PSL-5	Power supply leads, 3 ft. (Includes one black and one red lead)	—
P8DS-016	Blocking plate	—
P8DS-012	Super Safe Lid with Attached Power Supply Leads	—
R12009	Replacement gaskets (1 pair)	—
P8-CL	Side clamps (1 pair)	—
R10446	Wing knob	—
ST-10	Sponge Tips (Pack of 10)	—
P7-SA	Spacer Set (2 sides, 1 bottom)	0.5cmW x 0.5mm thickness
P7-SC	Spacer Set (2 sides, 1 bottom)	0.5cmW x 0.8mm thickness
P7-SD	Spacer Set (2 sides, 1 bottom)	0.5cmW x 1.5mm thickness
P7-10R	Notched glass	10cmL x 10cmW x 3/32" thickness
P7-10G	Blank glass	10cmL x 10cmW x 3/32" thickness
P7-10FR	Frosted notched glass	10cmL x 10cmW x 3/32" thickness
P7-10FG	Frosted blank glass	10cmL x 10cmW x 3/32" thickness
P7-10RA	Notched alumina plate	10cmL x 10cmW x 1.0mm thickness

Thermo Scientific Owl EC-105 Compact Power Supply

Ideal for DNA and RNA electrophoresis

- Equipped with an over current detector for maximum safety
- Easy-to-use power supply operates in constant voltage
- The adjustment knob and hi-lo range switch control the output, which is variable in 10V increments from 20V to 250V
- Two-position switch toggles the bright LED display from indicating output voltage to output current
- The supply is also equipped with an over current detector for maximum safety and has two jacks



Warranty: One years

Cat. No.	Maximum Voltage	Max. Current	No. of Jacks	Display Modes	L x W x H	Electrical
105ECA-115	250 V	300mA @ 150-250V; 500mA below 150V	1	Voltage or current	15 × 20 × 11cm (6 × 8 × 4.5in.)	115V/60Hz
105ECA-LVD	250 V	300mA @ 150-250V; 500mA below 150V	1	Voltage or current	15 × 20 × 11cm (6 × 8 × 4.5in.)	230V/50Hz

Thermo Scientific Owl P82 Dual Gel System Replacement Parts



Ideal for DNA and RNA electrophoresis

- Power-off memory retains settings after shut-down
- Stackable design saves benchtop space
- Soft-touch key pad allows quick set-up
- Designed for safety
- Non-skid rubber feet provide stability

Warranty: One years

Cat. No.	Output Voltage	Max. Current	No. of Jacks	Display Modes	Timer	L x W x H	Electrical
EC300XL	300V	400mA	3	Voltage or current	0-999 min.	26 × 14 × 13.3cm (10.25 × 5.5 × 5.25in.)	120V 50/60Hz
EC300XL2	300V	400mA	3	Voltage or current	0-999 min.	26 × 14 × 13.3cm (10.25 × 5.5 × 5.25in.)	230V 50/60Hz

Thermo Scientific Owl EC-200XL High Current Power Supply



Simple-to-use, multi-purpose, lightweight and great for DNA/RNA, protein and blotting electrophoresis

- Power-off memory retains settings after shut-down
- Stackable design saves benchtop space
- Soft-touch key pad allows quick set-up
- Designed for safety
- Non-skid rubber feet provide stability

Warranty: One years

Cat. No.	Output Voltage	Max. Current	No. of Jacks	Display Modes	Timer	L x W x H	Electrical
EC200XL	200V	200mA	4	Voltage or current	0-99 hr. 59 min.	31 × 27 × 13.3cm (12 × 10.75 × 5.25in.)	120V 50/60Hz
EC200XL2	200V	200mA	4	Voltage or current	0-99 hr. 59 min.	31 × 27 × 13.3cm (12 × 10.75 × 5.25in.)	230V 50/60Hz

Thermo Scientific Owl EC-1000XL Programmable Power Supply

Great for DNA/RNA, protein and blotting electrophoresis

- Power-off memory retains settings after shut-down
- Offers constant power mode
- Stackable design saves benchtop space
- Soft-touch key pad allows quick set-up
- Designed for safety
- Non-skid rubber feet
- Easy to operate

Warranty: One years



Cat. No.	Output Voltage	Max. Current	No. of Jacks	Display Modes	Timer	L x W x H	Electrical
EC1000XL	1000V	500mA	4	Voltage, current, or power	Voltage, current, or power	31 × 27 × 13.3cm (12 × 10.75 × 5.25in.)	120V 50/60Hz
EC1000XL2	1000V	500mA	4	Voltage, current, or power	Voltage, current, or power	31 × 27 × 13.3cm (12 × 10.75 × 5.25in.)	230V 50/60Hz



Fisher Scientific™ Traceable™ Products

Fisher Scientific™ Traceable™ Thermometers	175
Fisher Scientific™ Traceable™ Hygrometers	189
Fisher Scientific™ Traceable™ Timers	193
Fisher Scientific™ Traceable™ Clocks	199
Fisher Scientific™ Traceable™ Stopwatches	200
Fisher Scientific™ Traceable™ Barometers	201
Fisher Scientific™ Traceable™ Certified Reference Materials (CRM)	202
Fisher Scientific™ Traceable™ Pumps	203

Fisher Scientific™ Traceable™ Thermometers

Stainless-steel Probe Thermometer Specifications Chart

Cat. No.	Traceable™ Certificate Supplied	Range	Resolution	Accuracy	Probe Length (mm)	Water-resis- tant	Alarm	Display MIN/ MAX	Datalog- ger
15081108	Yes	-148 to 199°F / -100 to 199°C	0.01°	±0.1°C	228.6	probe only	yes	yes	no
15081102	Yes	-328 to 932°F / -200 to 500°C	0.1° to 0.0001°	±0.05	160/ 25.4	no	no	yes	yes
15078D	Yes	-58 to 572°F / -50 to 300°C	0.1°	±1.0	120	probe only	no	no	no
15078F	Yes	-58 to 572°F / -50 to 300°C	0.1°	±1.0	120	probe only	no	no	no
0666430	Yes	-58 to 572°F / -50 to 300°C	0.1°	±0.4*	120	probe only	no	no	no
150779E	Yes	-58 to 572°F / -50 to 300°C	0.1°	±1/±0.5*	127	yes	no	yes	no
0666431	Yes	-58 to 572°F / -50 to 300°C	0.1°	±0.4*	120	probe only	no	no	no
1464844	Yes	-58 to 572°F / -50 to 300°C	0.1°	±1.0/±0.4*	203	yes	no	no	no
1464862	Yes	-58.0 to 302.0°F (-50.0 to 150.0°C)	0.1°	±1°C	127	yes	no	yes	no
1464861	Yes	-58.0 to 302.0°F (-50.0 to 150.0°C)	0.1°	±1°C	n/a	yes	no	yes	no

General Purpose Probe Thermometer Specifications Chart

Cat. No.	Traceable™ Certificate Supplied	Range	Resolution	Accuracy	Length		Water- resistant	Alarm	Display MIN/ MAX
					Probe	Cable			
1507722	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1.0°C	19 mm	3 m	probe/cable	no	yes

Datalogger Thermometer Specifications Chart

Cat. No.	Traceable™ Certificate Supplied	Range	Resolution	Accuracy	Length		Water- resistant	Alarm	Display MIN/ MAX
					Probe	Cable			
15081144	Yes	-31 to 122°F / -35 to 50°C	0.1°	±0.2°C	n/a	n/a	no	yes	yes
15081146	Yes	-20 to 161°F / -29 to 72°C	0.1°	±0.2°C	n/a	n/a	no	yes	yes
6548	No	-31 to 122°F / -35 to 50°C	0.1°	±0.2°C	n/a	n/a	no	yes	yes

Refrigerator/Freezer & Vaccine Probe Thermometer Specifications Chart

Cat. No.	Traceable™ Certificate Supplied	Range	Resolu- tion	Accuracy	Length		Water- resistant	Alarm	Display MIN/ MAX	Datalog- ger
					Probe	Cable				
15081123	Yes	-58 to 158°F / -50 to 70°C	0.01°	±0.25°C	various	3 m	probe/cable	yes	yes	yes
15081130	Yes	-58 to 158°F / -50 to 70°C	0.01°	±0.25°C	various	3 m	probe/cable	yes	yes	yes
15081110	Yes	-22 to 158°F / -30 to 70°C	0.1°	±0.6°C	63.5 mm	2 m	probe/cable	yes	yes	yes
15081111	Yes	-22 to 158°F / -30 to 70°C	0.1°	±0.6°C	25.4 mm	2 m	probe/cable	yes	yes	yes
150778D	Yes	-58 to 158°F / -50 to 70°C	1°	±1°C	19 mm	3 m	probe/cable	yes	yes	no
0666411	Yes	-58 to 158°F / -50 to 70°C	1°	±1°C	63.5 mm	3 m	probe/cable	yes	yes	no
15078176	Yes	-58 to 158°F / -50 to 70°C	0.01°	±0.3°C	63.5 mm	3 m (2)	probe/cable	yes	yes	no
14650103	Yes	-58 to 158°F / -50 to 70°C	0.01°	±0.5°C	various	3 m	probe/cable	yes	yes	no
14650104	Yes	-58 to 158°F / -50 to 70°C	0.01°	±0.5°C	various	3 m	probe/cable	yes	yes	no
14648232	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1°C	19 mm	3 m	probe/cable	yes	yes	no
14648233	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1°C	63.5 mm	3 m	probe/cable	yes	yes	no
06664255	Yes	-22 to 122°F / -30 to 50°C	0.1°	±1.0°C	63.5 mm	n/a	yes	no	yes	no
15081113	Yes	-22 to 158°F / -30 to 70°C	0.1°	±1.0°C	63.5 mm	n/a	probe/cable	yes	yes	no
1464826	Yes	-40 to 176°F / -40 to 80°C	0.1°	±1.5°C	38 mm	2 m	probe/cable	no	yes	no
15077976	Yes	-40 to 176°F / -40 to 80°C	0.1°	±1.5°C	63.5 mm	2 m	probe/cable	no	yes	no
1507717A	Yes	-58 to 158°F or -50 to 70°C	1°	±1°C	19 mm	3 m	probe/cable	no	yes	no
15077942	Yes	-58 to 158°F or -50 to 70°C	1°	±1°C	63.5 mm	3 m	probe/cable	no	yes	no
06664269	Yes	-58 to 158°F / -50 to 70°C	0.1°	±0.5°C	various	3 m	probe/cable	yes	yes	no
15078185	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1°C	various	0.9 m (2)	probe/cable	yes	yes	no
1507750	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1°C	19 mm	3 m	probe/cable	yes	yes	no
15077944	Yes	32 to 113°F / 0 to 45°C	0.1°	±1°C	n/a	n/a	no	no	no	no
15077944	Yes	32 to 113°F / 0 to 45°C	0.1°	±0.5°C*	n/a	n/a	no	no	no	no
15081106	Yes	-58 to 158°F / -50 to 70°C	0.01°	±0.1°C	various	3 m	probe/cable	yes	yes	no

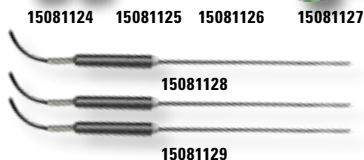
Infrared Thermometer Specifications Chart

Cat. No.	Traceable™ Certificate Supplied	Infrared Range	Resolution	Accuracy	Field of View	Emissivity	MIN/MAX Readings	Hi/Lo Alarms	Special Features
0666438	Yes	-76 to 932°F / -60 to 500°C	0.1°	±2°C or 1%	11:01	0.95 fixed	MAX only	N/A	Trigger grip
06664254	Yes	-76 to 1022°F / -60 to 550°C	0.1°	±2°C or 2%	12:01	0.1 to 1.00*	Yes	Yes	Dual lasers
15077966	Yes	-27 to 428°F / -33 to 220°C	0.1°	±1°C + 2%	1:01	0.95 fixed	N/A	N/A	Pocket-clip/key-chain

Fisher Scientific™ Traceable™ Thermometers



15081123



Fisher Scientific™ Traceable™ Excursion-Trac™ Datalogging Refrigerator/Freezer Thermometers

Datalogging thermometer with user-defined time intervals

- **Features:** MIN/MAX and current temperatures, Smart-Alarm™, and °F/°C switchable
- Stores up to 10 unique alarm events
- Meets current CDC requirements for vaccine storage and monitoring
- Rolling memory structure, maintains most recent 525,600 temperature observations
- Recorded data (Txt or CSV file) may be transferred from thermometer to PC or Mac using a USB flash drive—no additional software needed
- Memory can be cleared on unit after downloading data to USB stick
- Smart-Alarm™ features a visual/audible alarm that continues to alarm even if the unit returns to non-alarm conditions
- Hassle-free retrieval of data—unit can remain in use while downloading/analysing data
- Status indicators—low battery, memory full, USB data transfer, active alarm state
- Supplied: stand, Velcro®, magnetic strips, wall mount, batteries, Traceable™ Certificate

Cat. No.	Feature parameters	Resolution	Accuracy	Probe
15081123	–50.00 to 70.00°C	0.01°	±0.25°C	1 bottle (patented)
15081124	(–58.00 to 158.00°F)	0.01°	±0.25°C	2 bottles (patented)
15081125		0.01°	±0.25°C	1 Bullet™
15081126		0.01°	±0.25°C	2 Bullets™
15081127		0.01°	±0.25°C	1 bottle & 1 Bullet™
15081128		0.01°	±0.25°C	1 stainless-steel
15081129		0.01°	±0.25°C	2 stainless-steel

CDC Requirements for Vaccine Monitoring

Fisher Scientific™ Traceable™ Excursion-Trac™ Thermometer	
CDC Requirements	
Traceable™ Certificate supplied	Fulfilled by Traceable™ Certificate: To assure accuracy, all Traceable™ Thermometers are provided with an individually serial-numbered Traceable™ Certificate is provided from an ISO/IEC 17025 (1750.01) calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).
Calibration Report Included	
Annual Recalibration by ILAC/MRA accredited laboratory available	
CDC Recommendations	
Glycol encased probe	Sealed bottle sensor is insulated from rapid temperature changes when refrigerator door is opened (Patented)
Certificate of Calibration includes methods and procedure documentation	Fulfilled by provided Traceable™ Certificate
Certificate of Calibration includes stated uncertainties	Fulfilled by provided Traceable™ Certificate
Certificate of Calibration includes measurement results	Fulfilled by provided Traceable™ Certificate
Data Logger with Continuous Monitoring and Active Display	Datalogging capabilities hard-wired into unit
Data Logger with user programmable logging intervals	User-defined datalogging interval of one observation/minute to one observation/24 hours
Data Logger capable of storing 4,000 readings that will not overwrite when full	Maintains most recent 525,600 temperature observations
Minimum/Maximum Memory	Unit has Minimum/Maximum Memory
Capable of displaying current temperature and minimum/maximum memories	Unit displays simultaneously, current temperature and Minimum/Maximum readings
Minimum/Maximum Memory reset	Memory may be cleared (data may be downloaded to a USB drive)
±0.5°C (±1°F) Accuracy	±0.25°C (–50 to 70°C)
Detachable probe	Yes
High/Low Alarm	Yes
Read storage unit temperatures without opening the door	3 metre micro-thin cable is easy for refrigerator door to close and seal
Low battery indicator	Yes

Fisher Scientific™ Traceable™ Thermometers

Fisher Scientific™ Traceable™ Memory-Loc™ Datalogging Refrigerator/Freezer Thermometers

Data-logging thermometer that can be used in 21 CFR 11 environments

- **Features:** MIN/MAX and current temperatures, Smart-Alarm™, °F/°C switchable
- Meets current CDC requirements and additional recommendations for vaccine storage and monitoring
- Use in 21 CFR 11 environments, raw data is locked and may not be cleared/changed on base unit
- Data-logging thermometer with fixed one minute logging interval
- Capable of storing over 1 million temperature observations
- Stores up to 10 unique alarm events
- Recorded data (Txt or CSV file) may be transferred from thermometer to PC or Mac using a USB flash drive—no additional software needed
- Hassle-free retrieval of data—unit can remain in use while downloading/analysing data
- Smart-Alarm™ features a visual/audible alarm that continues to alarm even if the unit returns to non-alarm conditions
- Status indicators—low battery, low memory, USB data transfer, active alarm state
- Supplied: stand, Velcro®, magnetic strips, wall mount, batteries, Traceable™ Certificate

Cat. No.	Feature parameters	Resolution	Accuracy	Probe
15081130	-50.00 to 70.00°C (-58.00 to 158.00°F)	0.01°	±0.25°C	1 bottle (patented)
15081131		0.01°	±0.25°C	2 bottles (patented)
15081132		0.01°	±0.25°C	1 Bullet™
15081133		0.01°	±0.25°C	2 Bullets™
15081134		0.01°	±0.25°C	1 bottle & 1 Bullet™
15081135		0.01°	±0.25°C	1 stainless-steel
15081136		0.01°	±0.25°C	2 stainless-steel



Fisher Scientific™ Traceable™ Memory-Card Refrigerator/Freezer Thermometer Datalogger

Thermometer captures 5.9 million readings on removable SD card

- User-defined temperature observations can be made once per minute up to once every 720 minutes
- Text report includes date/time of day and sensor readings
- Sealed bottle sensor is insulated from rapid temperature changes when refrigerator door is opened—thin cable is easy for refrigerator door to close and seal
- Recorded data (Txt or CSV file) may be transferred from thermometer to PC or Mac using a USB flash drive—no additional software needed
- Alarm sounds and LED flashes when temperature rises above or falls below user-set trip points
- Unique 4-line display shows temperature of detachable bottle probe, ambient temperature, humidity and time, °F/°C switchable
- Supplied: 256 mb SD memory card, memory card reader, battery, magnetic strips, Velcro®, flip open stand, adaptor, Traceable™ Certificate

Cat. No.	Feature parameters	Resolution	Accuracy	Probe
15081110	-22.0 to 158.0°F (-30.0 to 70.0°C)	0.1°	±0.5°C from 0°C to 25°C; ±0.6°C from 25°C to 70°C ±1.2°C from -30°C to 0°C and 50 to 70°C	Bottle (patented)
15081111	-22.0 to 158.0°F (-30.0 to 70.0°C)	0.1°	±0.5°C from 0°C to 25°C; ±0.6°C from 25°C to 70°C ±1.2°C from -30°C to 0°C and 50 to 70°C	Stainless-steel



Fisher Scientific™ Traceable™ Logger-Trac™ Temperature Datalogger

Ultimate monitoring partner—displays, records, and reports data every step of the way



- **Know the cumulative alarm duration immediately**
All critical information is displayed on the screen – current, MIN/MAX temperatures; recording status, run time, cumulative alarm time, quarantine status, alarm tally
- **Internal flash memory stores 7680 readings**
If a quarantine condition has occurred, the following additional information is displayed: "QUARANTINE" notification (taking the place of the "ALARM" notification), alarm icon
- **Reusable/Re-programmable**—integrates with MaxiThermal Software for complete data analysis
- **Measuring only 65 x 34 x 8 mm and weighing only 18.4 grams**, it is the perfect solution for monitoring material in transit as well as reagents, clinical samples, vaccines, pharmaceuticals and food items in any location
- **Supplied: battery, Traceable™ Certificate**

Cat. No.	Feature parameters	Resolution	Accuracy
15081144	–35.0 to 50.0°C (–31.0 to 122°F)	0.1°	±0.2°C from 0 to 10°C; ±1°C otherwise
Accessories			
15081145	Logger-Trac™ Paper sleeves (100/pk)		
15081150	MaxiThermal software		
15081148	Temperature Logger-Trac™ Cradle/Cable		

Fisher Scientific™ Mini-Logger-Trac™ Temperature Datalogger

Perfect for monitoring material during transportation



- **Displays cumulative Alarm Duration from user selected Min/Max values**
- **Reusable/Re-programmable, storage capacity: 7,680 readings**
- **Integrates with MaxiThermal Software for complete data analysis**
- **Water-resistant design (IP66) eliminates concerns when located in damp environments**
- **Individual Logger-Trac™ Thermometers are pre-programmed with alarm values of 2°C (low) and 8°C (high) and a recording interval to allow for 30 days of recording (readings are logged every 5 minutes, 33 seconds)**

Cat. No.	Feature parameters	Resolution	Accuracy
14650122	–31.0 to 122.0°F (–35.0 to 50.0°C)	0.1°	±0.2°C from 0 to 10°C; ±1°C otherwise
Accessories			
14650123	Mini-Logger-Trac™ Temperature Cradle/Cable		
15081150	MaxiThermal Software		

Fisher Scientific™ Traceable™ Thermometers

Fisher Scientific™ Traceable™ High-Accuracy Refrigerator Thermometers

High accuracy thermometer monitors 2 different areas of any refrigerator or freezer

- Reads to 0.01° while monitoring MIN/MAX temperatures in refrigerator and freezer simultaneously or two refrigerator locations with the exact time and date readings occurred, °F/°C switchable
- Two channel alarms provide unique visual (LED's) and audio alerts when temperature rises above or falls below user-defined high and low set points
- Smart-Alarm™ features a visual/audible alarm that continues to alarm even if unit returns to non-alarm conditions
- Unit displays the exact time and date when dual thermometer alarms are triggered, alarms are programmable in 0.1 increments
- Supplied: battery, 3 m cable, magnetic strips, Velcro®, bench stand, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
15078215	-58.00 to 158.00°F (-50.00 to 70.00°C)	0.01°	±0.3°C	1 Glycol-filled bottle (patented)
15078176	-58.00 to 158.00°F (-50.00 to 70.00°C)	0.01°	±0.3°C	2 Glycol-filled bottles (patented)
15078177	-58.00 to 158.00°F (-50.00 to 70.00°C)	0.01°	±0.3°C	2 Bullets™

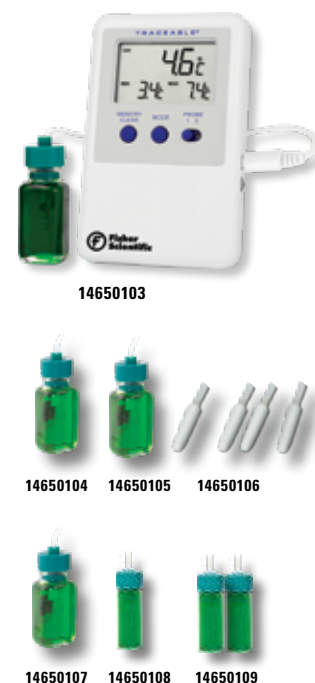


Fisher Scientific™ Traceable™ Refrigerator/Freezer Ultra™ Thermometers

Temperature-buffered bottle insulates sensor from rapid temperature changes

- Smart-Alarm™ features a visual/audible alarm that continues to alarm even if unit returns to non-alarm conditions
- Triple display simultaneously shows MIN/MAX and current temperatures, °F/°C switchable
- Monitors high and low readings overnight, on weekends, or for any time period - a significant advantage over current read-only temperatures
- Alarm is programmable in 0.1° increments—alerts user when temperature rises above/falls below a set point
- Supplied: battery, Velcro®, magnetic strips, 3 m cable, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
14650103	-58.0 to 158.0°F (-50.0 to 70.0°C)	0.1°	±0.5°C	1 Glycol-filled bottle (patented)
14650104				2 Glycol-filled bottles (patented)
14650105				1 Bullet™ (4.7 mm diameter and 19 mm long)
14650106				2 Bullets™ (4.7 mm diameter and 19 mm long)
14650107				1 bottle & 1 Bullet™
14650108				1 vaccine bottle (patented)
14650109				2 vaccine bottles (patented)



Fisher Scientific™ Traceable™ Refrigerator/Freezer Thermometers

The world's most popular refrigerator/freezer thermometer

- Accurately monitor temperatures in freezers, water baths, heating blocks, incubators, and refrigerators with this enclosed temperature-buffered sensor, °F/°C switchable
- Minimum/maximum monitors high and low readings overnight, on weekends, or for any time period
- Alarm is programmable in 1° increments, sounds continuously when temperature rises above/falls below set points and can be turned off manually
- Visual and audible signals continue even if temperature returns to non-alarm range
- Supplied: flip-open stand, 3 m cable, wall mount, Velcro®, magnetic strips, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
150778D	–58 to 158°F (–50 to 70°C)	1°	±1°C	4.7 mm diameter and 19 mm long
0666411	–58 to 158°F (–50 to 70°C)	1°	±1°C	Glycol-filled bottle (patented)
15077720	–58 to 158°F (–50 to 70°C)	1°	±1°C	5ml vaccine bottle

Fisher Scientific™ Traceable™ Wireless Radio-Signal Refrigerator Thermometers

Captures temperature data with high-efficiency wireless technology

- Unit wirelessly reads refrigerator temperatures from 30 metres away, place remote module inside refrigerator
- MIN/MAX memory allows monitoring conditions over any time period, °F/°C switchable
- Distinctive alarm sounds when temperature rises above or falls below set points
- Indicator on main unit shows rising/falling temperature trends
- Readings from up to 3 remotes may be sent to main unit via radio signal-433 MHz penetrating refrigerators or walls
- Supplied: batteries, one main unit, one remote unit, flip-open stand, wall mount, Velcro®, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
15081113	–22.0 to 158.0°F (–30.0 to 70.0°C)	0.1°	±1.0°C	Glycol-filled bottle (patented)
15081114	–22.0 to 158.0°F (–30.0 to 70.0°C)	0.1°	±1.0°C	Accessory Bottle Remote module (set to channel 1, 2, or 3)

Fisher Scientific™ Traceable™ Thermometers

Fisher Scientific™ Traceable™ Digital-Bottle™ Refrigerator/Freezer Thermometer

Sealed unit can be placed inside a refrigerator

- MIN/MAX memory monitors high and low readings overnight, on weekends, or for any time period—a significant advantage over glass thermometers displaying only current temperature
- The entire unit, including the bottle and display, may be placed in any environment within the operating range of the thermometer, °F/°C switchable
- Supplied: battery, holder, double-backed tape, Velcro®, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
06664255	-22.0 to 122.0°F (-30.0 to 50.0°C)	0.1°	±1.0°C between -20 to 50°C	Glycol-filled bottle (patented)
06664257	-22.0 to 122.0°F (-30.0 to 50.0°C)	0.1°	±1.0°C between -20 to 50°C	Glass-bead filled bottle



Fisher Scientific™ Traceable™ Jumbo Refrigerator/Freezer Thermometer

Jumbo LCD simultaneously shows MIN/MAX/current temperature

- MIN/MAX memory monitors high and low readings overnight, on weekends, or for any time period—a significant advantage over glass thermometers displaying only current temperature
- The entire unit, including the bottle and display, may be placed in any environment within the operating range of the thermometer, °F/°C switchable
- Supplied: battery, holder, double-backed tape, Velcro®, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
14648232	-58.0 to 158.0°F (-50.0 to 70.0°C)	0.1°	±1°C	4.7 mm diameter and 19 mm long
14648233	-58.0 to 158.0°F (-50.0 to 70.0°C)	0.1°	±1°C	Bottle specifically for refrigerator/freezer applications (patented)
06664270	-58.0 to 158.0°F (-50.0 to 70.0°C)	0.1°	±1°C	5ml vaccine bottle. Bottle mimics vaccine temperature and fits in tray.



14648232



14648233



06664270

Fisher Scientific™ Traceable™ Dual Thermometers

Dual-probe thermometer gives accurate readings of 2 separate areas in refrigerators/freezers

- Easy-operate, always-ready unit quickly recalls exact date and time when MIN/MAX temperatures occur, °F/°C switchable
- Audible and visual alarm feature provides alert when temperature rises above or falls below two set points, alarm is programmable in 1° increments
- Supplied: battery, flip-open stand, probes, 1 metre cable, magnetic strips, Velcro® tape, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
15078185	-58.0 to 158.0°F (-50.0 to 70.0°C)	0.1°	±1.0°C	Bullet™ (2 each)
15078184	-58.0 to 158.0°F (-50.0 to 70.0°C)	0.1°	±1.0°C	Bottle (patented) (2 each)



15078184



15078185

Fisher Scientific™ Traceable™ Thermometers



Fisher Scientific™ Traceable™ Refrigerator/Freezer Plus™ Thermometers

Temperature-buffered bottle insulates sensor from rapid temperature changes

- Triple display simultaneously shows MIN/MAX and current temperatures, °F/°C switchable
- Alarm is programmable in 1° increments and alerts user when temperature rises above or falls below a set point
- Supplied: battery, Velcro®, magnetic strips, 3 metre cable, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
06664269	-58 to 158°F (-50 to 70°C)	0.1°	±0.5°C (±0.9°F)	Bullet™
0666423	-58 to 158°F (-50 to 70°C)	0.1°	±0.5°C (±0.9°F)	Bottle (patented)
15077721	-58 to 158°F (-50 to 70°C)	0.1°	±0.5°C (±0.9°F)	5ml vaccine bottle



Fisher Scientific™ Traceable™ Thermometer with Time/Date Max/Min Memory

Unique, wide-range, triple-display thermometer offers amazing versatility

- Thermometer displays current, MIN and MAX temperatures time and month/day, °F/°C switchable
- Unit captures time and date when the MIN/MAX temperatures occurred
- Sensor and cable perform accurately even when both are underwater
- Supplied: battery, probe, 1.8 m cable, wall mount, flip-open stand, Velcro®, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
1464826	-40.0 to 176.0°F (-40.0 to 80.0°C)	0.1°	±1.5°C	4.7 mm diameter x 38 mm length
15077976	-40.0 to 176.0°F (-40.0 to 80.0°C)	0.1°	±1.5°C	Bottle (patented)
15077723	-40.0 to 176.0°F (-40.0 to 80.0°C)	0.1°	±1.5°C	5ml vaccine bottle

Fisher Scientific™ Traceable™ Sentry™ Thermometers °F/°C

Simple one-key reset operation resets MIN/MAX memories

- Constantly monitor high, low and current temperatures
- Unplugging the cable activates a sensor inside the unit for monitoring ambient temperature
- Sensor and 3 m cable may be placed underwater, in refrigerator, or freezer
- Supplied: battery, probe, 3 m cable, wall mount, magnet, stand, Velcro®, Traceable™ Certificate



Cat. No.	Range	Resolution	Accuracy	Probe
1507717B	-50 to 70°C	1°	±1°C	Bullet™
15077941	-50 to 70°C	1°	±1°C	Bottle (patented)
15077724	-50 to 70°C	1°	±1°C	5ml vaccine bottle

Fisher Scientific™ Traceable™ Thermometers

Fisher Scientific™ Traceable™ Radio-Signal Remote Thermometer

Monitor up to 3 different remotes at same time from up to 100 feet away

- Main unit can receive/display data from up to 3 different remote modules, and may be set to channel 1, 2 or 3
- Displays trend indicator shows whether temperature is rising or falling
- MIN/MAX memory allows monitoring conditions over short or long periods
- Alarms when temperature rises above/falls below two set points, may be programmed in 1° increments
- External sensor and 3 metre cable perform accurately even when both are underwater, °F/°C
- Supplied: battery, remote module, probe, cable, flip-open stand, wall-mount, Traceable™ Certificate

Cat. No.	Indoor Range	Outdoor Range	Resolution	Accuracy	Probe
1507750	–20.0 to 60.0°C	–5.0 to 50.0°C	0.1°	±1°C	Internal ambient and Bullet™
Accessories					
1507751	–20.0 to 60.0°C	–5.0 to 50.0°C	0.1°	±1°C	Bullet™
1507753	–20.0 to 60.0°C	–5.0 to 50.0°C	0.1°	±1°C	Bottle (patented)
15077722	–20.0 to 60.0°C	–5.0 to 50.0°C	0.1°	±1°C	5ml vaccine bottle



Fisher Scientific™ Traceable™ Big-Digit Memory Thermometer

View ambient and probe temperatures from 25 feet

- Dual display permits reading ambient and probe temperatures simultaneously, °F/°C switchable
- MIN/MAX memory readings may be displayed and reset at the touch of a key
- Cable and sensor perform accurately when underwater, always-on instrument reads temperature constantly
- Supplied: flip-open stand, wall mounting, 3 metre cable, Velcro®, Traceable™ Certificate, battery

Cat. No.	External probe range	Ambient sensor range	Resolution	Accuracy
1507722	–58.0 to 158.0°F (–50.0 to 70.0°C)	23.0 to 122.0°F (–5.0 to 50.0°C)	0.1°	±1°C



Fisher Scientific™ Traceable™ Econo Refrigerator Thermometer

Low-cost mini-size temperature sensor is always on-duty in refrigerator

- Economical refrigerator monitor has wide temperature range and is easy to switch from °F to °C
- Ideal unit for use in storerooms, labs, offices, hoods, cabinets
- Remarkable, clear-view display updates every 30 seconds
- Supplied: battery, suction cup, Velcro®, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy
15077944	32.0 to 113.0°F (0.0 to 45.0°C)	0.1°	±1°C
15077975	32.0 to 113.0°F (0.0 to 45.0°C)	0.1°	±0.5°C at tested points, otherwise ±1.5°C



Fisher Scientific™ Traceable™ Platinum High-Accuracy Refrigerator/Freezer Thermometer



15081108



15081106



15081107



15081109

Displays MIN/MAX temperatures for previous 24 hours (for each hour) and previous 7-days (for each day); or previous 31 days (for each day)

- Visual LED flashes and audible alarm sounds continuously even if temperature returns to non-alarm range
- Time/date stamp key shows exact time and date for all minimum and maximum readings
- Triple display shows current temperature in °F or °C, as well as MIN/MAX temperatures
- Stainless-steel probe holder ideal for mounting probe anywhere in lab
- Features a battery-life indicator
- 15-081-108 and 15-081-109 are ideal for ultra-low freezer applications
- 15-081-106 and 15-081-107 are ideal for refrigerator/freezer applications
- Supplied: platinum probe, stand, wall mount, stainless-steel probe holder, batteries, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy	Probe	Calibration points
15081108	–148.00 to 199.99°F (–100.00 to 199.99°C)	0.01°	±1°C	Handle: 3.3 mm dia. x 160 mm stem, 228 mm overall	–80°C, 0°C, 50°C, and 190°C
15081109	–148.00 to 158.00°F (–100.00 to 70.00°C)	0.01°	±1°C	Handle: 3.3 mm dia. x 160 mm stem, 228 mm overall	–80°C, –40°C, and 0°C
15081106	–58.00 to 158.00°F (–50.00 to 70.00°C)	0.01°	±1°C	Handle: 3.3 mm dia. x 160 mm stem, 228 mm overall	–40°C, 0°C, and 50°C
15081107	–58.00 to 158.00°F (–50.00 to 70.00°C)	0.01°	±1°C	Handle: 3.3 mm dia. x 160 mm stem, 228 mm overall	–40°C, 0°C, and 50°C

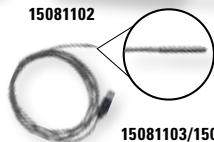
Fisher Scientific™ Traceable™ Platinum Ultra-Accurate Reference Thermometer

Most accurate thermometer available with 0.0001° resolution

- High-precision unit is designed for years of reliable service even in harshest environments
- Computer output data captures in real time readings
- Decimal-placement key changes display to show 1, 2, 3 or 4 significant numbers after decimal
- Internal data logger automatically captures MIN/MAX readings every hour for last 24 hours
- Instant response probe updates readings 3 times per second for liquids, air/gas and semi-solids
- Supplied: battery, platinum probe, cable, computer output, plastic carrying case, Traceable™ Certificate



15081102



15081103/15081105



15081104

Cat. No.	Unit Range	Probe Range	Resolution	Accuracy	Platinum RTD Stainless-steel Probe
15081102	–200.00 to 500.000°C	–200.00 to 500.000°C	0.1° to 0.0001	±0.05°C or 0.05% between –80 to 290°C	177 mm stem, 3.3 mm dia., 1.8 metre cable
15081103		–100.00 to 200.00°C	0.1° to 0.0001		25 mm stem, 6.3 mm dia., 3 metre PTFE cable
Accessories					
15081104	Replacement Platinum RTD stainless-steel Probe				
15081105	Replacement Platinum RTD stainless-steel Bullet™ Probe				
1507770	Data Acquisition System				

Fisher Scientific™ Traceable™ Thermometers

Fisher Scientific™ Traceable™ High-Accuracy Dual Thermometer

Dual-probe unit provides exact results for critical requirements, QC, routine readings

- Two probes are useful for monitoring inlets and outlets, tracking two tests simultaneously or measuring temperatures in two locations
- Display shows current °F/°C and minimum/maximum temperatures
- Minimum/maximum monitors readings overnight, on weekends, or any time period; unit displays the exact time and date when the minimum and maximum temperature occurred
- Visual/audible alarms are programmable in 0.1° increments and provide alerts when temperature rises above/falls below high/low set points
- Supplied: batteries, flip-open stand, probe, cable, magnetic strips, Velcro®, wall mount, Traceable™ Certificate



15078250

Cat. No.	Range	Resolution	Accuracy	Probe
15078250	-58.00 to 158.00°F (-50.00 to 70.00°C)	0.01°	±0.3°C	1 stainless-steel probe, 3 mm dia., 158.7 mm stem length, 1.5 m cable
15078251		0.01°	±0.3°C	2 stainless-steel probes, 3 mm dia., 158.7 mm stem length, 1.5 m cable

Fisher Scientific™ Traceable™ Digital Thermometer

Ideal for use in cuvettes, foods, soils, water baths, waste water, and incubators

- Countdown timer, programmable Hi/Lo alarms, MIN/MAX memory, °F/°C switchable
- High/low alarms may be programmed in 1° increments, alarm mode may be switched off when not required
- Unit features a countdown timer for 99 hours, 59 minutes to 1 minute and may be set in 1-minute intervals
- Supplied: battery, probe, cable, probe holder, flip-open stand, Traceable™ Certificate



Cat. No.	Range	Resolution	Accuracy	Probe
150778A	-58.0 to 500.8°F (-50.0 to 260.0°C)	0.1°	±1°C	3.5 mm dia., 184 mm length, 0.9 m cable

Fisher Scientific™ Traceable™ Water-resistant Thermometers

Water-resistant case, cable, and stainless-steel probe monitors temperatures in any wet area

- Water/shockproof case provides flawless readings in freezers, water baths, incubators, tanks
- Stainless-steel probe efficiently monitors temperatures in liquids, semi-solids, air/gases
- One-key operation quickly recalls highest/lowest readings over any time period, °F/°C switchable
- Supplied: battery, probe, cable, suction cups, magnet, Velcro® strips, Traceable™ Certificate



Cat. No.	Range	Resolution	Accuracy	Probe
150779E	-58 to 572°F (-50 to 300°C)	0.1° from -19.9 to 199.9°C; otherwise 1°C	±1°C between -20 and 100°C	3.5 mm dia., 127 mm probe length, 3 m cable
024020	-58 to 572°F (-50 to 300°C)	0.1° from -19.9 to 199.9°C; otherwise 1°C	±0.5°C at tested points	3.5 mm dia., 127 mm probe length, 3 m cable

Fisher Scientific™ Traceable™ Lollipop™ Shock/Water-resistant Thermometers



Featherweight, wide-range lab partner covers 99% of routine temperature measurement needs

- Shock/water-resistant unit delivers reading updates every second
- One-key operation recalls MIN/MAX temperature results, °F/°C switchable
- Supplied: battery, probe, probe cover with pocket clip, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy
1464844	–58 to 572°F (–50 to 300°C)	0.1° from –20 to 200°C; 1°C elsewhere	±1°C
0666427	–58 to 572°F (–50 to 300°C)	0.1° from –20 to 200°C; 1°C elsewhere	±0.4°C at tested points



Fisher Scientific™ Traceable™ Dishwasher/Metal Thermometers

Reports MIN/MAX temperatures achieved during dish-washing cycle

- Monitors temperatures for proper cleaning, °F/°C switchable
- Water-resistant and metal construction are ideal for food, wet labs, outdoors
- Supplied: clip for attaching to dishwasher rack (14-648-61 only), battery, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy	Feature
1464862	–58.0 to 302.0°F (–50.0 to 150.0°C)	0.1°	±1°C between –20 to 150°C	stainless-steel probe
1464861	–4.0 to 185.0°F (–20.0 to 85.0°C)	0.1°	±1°C between –20 to 150°C	dishwasher clip

Fisher Scientific™ Traceable™ Waterproof Food Thermometer

Waterproof pocket partner is ready for every temperature task

- Specially designed membrane keys prevents splashes/spills from permeating thermometer
- One-key operation quickly displays MIN/MAX readings
- Piercing probe tip adds extra versatility to data collection requirements
- Supplied: battery, probe holder/guard, pocket clip, key-chain, lanyard, Traceable™ Certificate



Cat. No.	Range	Resolution	Accuracy
14649100	–58 to 572°F (–50 to 300°C)	0.1° from –20 to 200°C; or 1°C elsewhere	±1.5°C
14649101			±0.4°C at tested points

Fisher Scientific™ Traceable™ Thermometers

Fisher Scientific™ Traceable™ Digital Dial Thermometers

Readings updated every 10 seconds

- Wide temperature range combines range of over 90 different mercury thermometers making it an ideal lab partner
- Large, bright 9.5-mm-high LCD, °F/°C switchable
- Stainless-steel stem dimensions: 120 x 4.8 mm diameter
- Supplied: protective case, battery, Traceable™ Certificate



15078D

Cat. No.	Range	Resolution	Accuracy
15078D	–58.0 to 572.0°F (–50.0 to 300.0°C)	0.1°	±1°C
15078F	–58.0 to 572.0°F (–50.0 to 300.0°C)	0.1°	±1°C
0666430	–58.0 to 572.0°F (–50.0 to 300.0°C)	0.1°	±0.4°C at tested points, otherwise ±1°C
0666431	–58.0 to 572.0°F (–50.0 to 300.0°C)	0.1°	±0.4°C at tested points, otherwise ±1°C

Fisher Scientific™ Traceable™ Pocket Thermometer

Unique, slim-line all-time-favourite thermometer

- Small, 28 gram pocket thermometer
- Probe guard extends overall length to 273 mm
- Supplied: battery, probe case, pocket clip, Traceable™ Certificate



Cat. No.	Range	Resolution	Accuracy
15078G	–58 to 572°F (–50 to 300°C)	0.1° from –20 to 200° (1° otherwise)	±1.5°C
0666433	–58 to 572°F (–50 to 300°C)	0.1° from –20 to 200° (1° otherwise)	±0.4°C at tested points

Fisher Scientific™ Traceable™ Long-Stem Thermometer

Ideal for replacing all glass and mercury thermometers in the lab

- On/off switch provides longer battery life, °F/°C switchable range
- Long stem allows for taking readings while stirring and is ideal for use in incubators and ovens
- Supplied: battery, Traceable™ Certificate, protective sleeve



Cat. No.	Range	Resolution	Accuracy	Stem Length	Overall Length
15078J	–58 to 302°F (–50 to 150°C)	0.1° from –20 to 200° (1° otherwise)	±1°C	203 mm	279 mm
1464812	–58 to 302°F (–50 to 150°C)		±0.2°C at tested points	203 mm	279 mm
1507759	–58 to 572°F (–50 to 300°C)		±1°C	289 mm	365 mm
1507761	–58 to 572°F (–50 to 300°C)		±0.5°C at tested points	289 mm	365 mm

Fisher Scientific™ Traceable™ Total-Range Thermometer



Water-resistant design is perfect for use in lab or plant's worst environments

- Unit can recall MIN/MAX temperature readings captured during any time; updates display twice a second
- HI/LO Alarm: indicates when temperature rises above or falls below high/low set points, 1° increments
- °F/°C switchable
- Timer feature displays duration of temperature conditions and time tests; capacity: 23 hours 59 minutes to 1 minute; resolution: 1 second
- Probe range (supplied with unit) –40 to 250°C continuous or 300°C short-term; accepts all Type-K thermocouples
- Supplied: flip-out stand, PVC casing, 1.2 metre cable, Type-K beaded probe, batteries, Traceable™ Certificate,

Cat. No.	Range	Resolution	Accuracy
1507714	–328 to 2498°F (–200 to 1370°C)	0.1° and 1°	±1°C between –50°C to 740°C, otherwise ±2°C



Fisher Scientific™ Traceable™ Infrared Thermometer Gun

Point-and-read gun provides temperature results of any surface in less than one second

- Easy-read display is back-lit, has low-battery indicator, and tracks maximum readings, °F/°C switchable
- DATA HOLD key freezes display and gives time to accurately record readings
- Emissivity is 0.95 fixed and unit includes an auto-off feature
- Supplied: batteries, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy	Field of view
0666438	–76.0 to 932.0°F (–60.0 to 500.0°C)	0.1°	±2% of reading or ±2°C	11:1



Fisher Scientific™ Traceable™ Infrared Thermometer Gun

Point-and-read gun provides temperature results of any surface in less than one second

- Easy-read display is back-lit, has low-battery indicator, and tracks maximum readings, °F/°C switchable
- DATA HOLD key freezes display and gives time to accurately record readings
- Emissivity is 0.95 fixed and unit includes an auto-off feature
- Supplied: batteries, Traceable™ Certificate

Cat. No.	Infrared Range	Type-K Range	Resolution	Accuracy	Field of view
06664254	–76.0 to 1022.0°F (–60.0 to 550.0°C)	–83.0 to 2552.0°F (–64.0 to 1400.0°C)	0.1°	±2% of reading or ±2°C, whichever is greater	12:1

Fisher Scientific™ Traceable™ Thermometers

Fisher Scientific™ Traceable™ Infrared Thermometer with pocket clip

Easy-to-carry design is ideal for blood bank labs

- Simple point-and-shoot operation, °F/°C switchable
- Unit reads both Fahrenheit and Celsius of any surface—solids, semi-solids, and liquids
- Fixed emissivity is precisely set at 0.95
- Supplied: battery, lanyard, pocket-clip, key-chain, Traceable™ Certificate



Cat. No.	Range	Resolution	Accuracy	Field of view
15077966	–27.0 to 428.0°F (–33.0 to 220.0°C)	0.1°	±1°C + 2%	1:1

Fisher Scientific™ Traceable™ Mini-IR™ Thermometer

Point-and-read, non-invasive IR mini-thermometer is super-reliable lab helper

- LOCK mode allows for 60 minutes of continuous readings without holding key down, °F/°C switchable
- Simple-to-set unit records minimum-only or maximum-only results for constantly changing targets
- Fixed emissivity is precisely set at 0.95
- Supplied: battery, key-chain, Traceable™ Certificate



Cat. No.	Range	Resolution	Accuracy	Field of view
024011	–7.0 to 230.0°F (–22.0 to 110.0°C)	0.1°	±1°C between 15.0 to 40.0°C; ±1.5°C elsewhere	1:1

Fisher Scientific™ Traceable™ Hygrometers

Humidity Selection Chart

Cat. No.	Traceable™ Certificate Supplied	Relative Humidity Range	Relative Humidity Resolution	Relative Humidity Accuracy	Temperature Range	Temperature Resolution	Temperature Accuracy	Features
066624	Yes	20 to 90% RH	1% RH	±5% RH	0.0 to 50.0°C	0.1°	±1°C	Time, temperature, humidity
15081146	Yes	0.0 to 100.0% RH	0.1% RH	±3% RH	–29.0 to 72.0°C	0.1°	±0.5°C	Portable, durable Datalogging
15079614	Yes	1 to 99% RH	1% RH	±3% RH	–10 to 60°C	1°	±1°C	RH Alarm and reads Dew point
15081112	Yes	0.0 to 90.0% RH	0.1% RH	±5% RH	0 to 50.0°C	0.1°	±1°C	Datalogger with Memory card
116618	Yes	10.00 to 95.00% RH	0.01% RH	±1.5% RH	0.00 to 50.00°C	0.01°	±0.4°C	Simple point/read technology
1166114	Yes	20 to 95% RH	1% RH	±3.5% RH	0.0 to 50.0°C	0.1°	±1°C	Pen shape
1166113	Yes	25 to 95% RH	1% RH	±2% RH	0 to 50°C	1°	±1°C	Dual min/max memories
15077963	Yes	1.0 to 99.0% RH	0.1% RH	±4% RH	–40.0 to 70.0°C	0.1°	±1°C	Dew point and wet-bulb monitor
1166119	Yes	25.0 to 95.0% RH	0.1% RH	±2% RH	–50 to 70°C	1°	±1°C	Jumbo digits with probe
1464852	Yes	25 to 90% RH	1% RH	±2% RH	–20.0 to 60.0°C	0.1°	±1°C	Radio-signal from remote
1166118	Yes	10 to 95.0% RH	0.1% RH	±2% RH	–18.0 to 93.0°C	0.1°	±1°C	Computer-output
06664271	Yes	0 to 95.0% RH	0.1% RH	±2% RH	–18.0 to 93.0°C	0.1°	±1°C	Computer-output

Fisher Scientific™ Traceable™ Logger-Trac™ RH/ Temperature Datalogger

Mobile unit travels with shipments to track RH and Temperature

- Displays Cumulative Alarm duration from user selected MIN/MAX humidity and temperature values
- Ideal option for replacing chart recorders in the laboratory
- Reusable/Re-programmable—perfect for monitoring material during transportation
- Displayed during recording: Current RH and Temperature, Min/Max temperature achieved, cumulative running time
- Individual Logger-Trac™ RH/Thermometers are pre-programmed with alarm values of 2°C (low) and 8°C (high) and a recording interval to allow for 30 days of recording (readings are logged every 5 minutes, 33 seconds)
- Supplied: Traceable™ Certificate: An individually serial-numbered and individually calibrated Traceable™ Certificate is provided from an ISO/IEC 17025:2005 (1750.01) calibration laboratory



Cat. No.	Range	Resolution	Accuracy
15081146	–29.0 to 72.0°C (–20.2 to 161.6°F)	0.1°	±0.2°C (0 to 10°C); ±0.5°C otherwise
	0.0 to 100.0% RH	0.1% RH	±3% RH between (25 to 75% RH); ±5% RH otherwise
Accessories			
15081150	MaxiThermal Software		
15081149	Data Capture Cable		

Fisher Scientific™ Traceable™ Memory-Card Humidity/ Temperature/Dew Point Datalogger

It records readings from once a minute up to once every 720 minutes on a SD memory card

- Datalogging capabilities that can capture 5.9 million readings with 256 mb removable SD memory card
- Visual & audible alarms indicate if temperature, RH or dew point rises above and falls below user-defined set points
- USB memory card reader plugs directly into Windows and Mac—no software to install
- Supplied: 256 mb SD memory card, USB memory card reader, magnetic strips, Velcro®, wall mount, bench stand, batteries, adaptor, Traceable™ Certificate



Cat. No.	Range	Resolution	Accuracy	Dew Point	Price
15081112	Humidity: 0.0 to 90.0% RH	0.1%	±5% RH at 25°C between 20 to 85% RH; ±7% RH elsewhere	–20.0 to 50.0°C with 0.1° resolution	40,416
	Temperature: 0 to 50.0°C	0.1°	±1°C		

Fisher Scientific™ Traceable™ Digital Humidity/Temperature Meter

Simultaneously displays relative humidity & temperature with dual-recall memories

- Ideal for routine measurements, monitoring round-the-clock, quality-control needs, and critical experimental requirements
- Minimum and maximum memories can be displayed or cleared at any time with the touch of a key
- Fulfills CLIA requirements, °F/°C switchable
- Supplied: wall mount, bench, stand, batteries, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy	Features
1166113	Humidity: 25 to 95% RH	1%	±2% RH mid-range to ±4% RH elsewhere	MIN/MAX memory
	Temperature: 32 to 122°F (0 to 50°C)	1°	±1°C	



Fisher Scientific™ Traceable™ Digital Humidity/Temperature/Dew Point Meter

Convenient triple memories recall MIN/MAX readouts for RH, dew point, and temperature

- Audible and visual LED alarm may be set to trigger at three different humidity readings (55%, 60% or 65%)
- Solid state sensors deliver response times of less than 30 seconds, °F/°C switchable
- Supplied: wall mount, batteries, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy	Dew Point
15079614	Humidity: 1.0 to 99.0% RH	0.1%	±3% mid-range, ±5% elsewhere	14 to 140°F (-10 to 60°C)
	Ambient Temperature: 14.0 to 140.0°F (-10.0 to 60.0°C)	0.1°	±1°C	



Fisher Scientific™ Traceable™ Thermometer/Clock/Humidity Monitor

Simultaneously displays time of day, temperature, and humidity

- Features: MIN/MAX memory, memory clear, °F/°C switchable, 12/24-hour clock
- Internal sensors make it ideal for use in hoods, storerooms, clean rooms, incubators, drying & environmental cabinets
- At the touch of a button, memory recalls the highest and lowest temperature and humidity readings
- Supplied: stand, wall mount, double-back tape, batteries, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy	Size/Weight
066624	Time: 12/24 hours	1 minute	0.01%	107 x 57 x 12.7 mm, 28 g
	Temp: 0.0 to 50.0°C	0.1°	±1°C	
	Humidity: 20 to 90% RH	1%	±5% RH midrange otherwise ±8% RH	



Fisher Scientific™ Traceable™ Dew Point/Wet-Bulb/Humidity/Thermometer Alarm



Settable high/low alarms for all four readings

- Unit shows current minimum and maximum readings for dew point, wet-bulb, humidity and temperature
- Alarm sounds for 1 minute and red LED flashes until readings return to non-alarm conditions
- Supplied: stand, batteries, wall-mount, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy
15077963	Humidity: 1.0 to 99.0% RH	0.1%	±4% between 20 to 80% RH
	Temperature: -40.0 to 158°F (-40.0 to 70.0°C)	0.1° below 100°	±1°C

Fisher Scientific™ Traceable™ Humidity/Temperature Pen

Quickly view temperature and relative humidity with dual-recall memories

- Meets Federal Government CLIA requirement 493.1252
- Easy to carry due to handy pocket clip
- Response time is less than 6 seconds, °F/°C switchable
- Supplied: battery, Traceable™ Certificate



Cat. No.	Range	Resolution	Accuracy
1166114	Humidity: 20.0 to 95.0% RH	0.1%	±3.5% RH mid-range to ±5.5%
	Temperature: 32.0 to 122°F (0.0 to 50.0°C)	0.1°	±1°C

Fisher Scientific™ Traceable™ Jumbo Humidity/Temperature Meter

Jumbo 28.5 mm digits display humidity, temperature—read from 10.5 m away

- Simultaneously displays ambient relative humidity and internal probe and external probe temperatures °F/°C with dual-recall memories
- Both sensor and 3 metre cable perform accurately when under water
- Fulfils CLIA specification 493.1207
- Supplied: flip-open stand, wall mount, battery, Traceable™ Certificate



Cat. No.	Range	Resolution	Accuracy
1166119	Ambient humidity: 25 to 95% RH	1%	±2% RH mid-range to ±4% RH elsewhere
	Ambient temperature: 32 to 122°F (0 to 50°C)	1°	±1°C
	Probe temperature: -58 to 158°F (-50 to 70°C)	1°	±1°C

Fisher Scientific™ Traceable™ Radio-Signal Remote Humidity/Thermometer

Monitors humidity and temperature up to 30 m away

- Unit feature high/low alarms, °F/°C switchable, data is transmitted every 30 seconds
- Trend indicators show if humidity is rising or falling
- Additional Traceable Humidity/Thermometer Remote Sensor Module (Cat No. 14-648-53); may be set to channel 1, 2, or 3; total of three modules may be used with main unit 14-648-52
- Supplied: battery, flip-open stand, wall brackets, one remote sensor module Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy
1464852	Humidity: 25 to 90% RH	1%	±2% RH mid-range to ±4% RH elsewhere
	Temperature: -4.0 to 140.0°F (-20.0 to 60.0°C)	0.1°	±1°C
Accessories			
1464853	Additional Traceable™ Humidity/Thermometer Remote Sensor Module		



Fisher Scientific™ Traceable™ Memory Hygrometer/Thermometer

Extremely accurate and portable

- Microprocessor-based design provides unparalleled accuracy
- Simultaneously displays both temperature and relative humidity on dual 28.5 mm high LCD
- 0.9 m cable allows user to retrieve readings from hard-to-reach areas
- Supplied: probe, cable, battery, carrying case, Traceable™ Certificate

Cat. No.	Range	Resolution	Accuracy
1166118	Humidity: 10.0 to 95.0% RH	0.1% RH	±2% mid-range, otherwise ±4%
	Temperature: -0.4 to 199.4°F (-18 to 93°C)	0.1°	±1°C between 0 to 40°C, otherwise ±2°C
Accessories			
1507773	Data Acquisition System		



Fisher Scientific™ Traceable™ Four-Channel Alarm Timer



The lab's most popular timer

- Features: count up/down, time in/out, memories, alarm, 12/24 hour clock
- Massive 19 mm high display allows viewing from across the lab
- Remarkable memory returns display to previously programmed countdown time at the touch of a button
- High decibel alarm signals for 1 minute and may be silenced manually
- Supplied: clip, stand, magnet, battery, Traceable™ Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
1464917	99 hours, 59 minutes, 59 seconds	1 second	0.01%	4

Fisher Scientific™ Traceable™ Multi-Coloured™ Timer



Show your distinct style with customized bold colours—a fresh look for lab

- Features: count up/down, time in/out, memories, alarm, 12/24 hour clock
- 3-bright colourful supplied frames permit personalisation of timer
- Unique memory returns channel to previously programmed setting at touch of a key
- Supplied: bench stand, magnetic back, battery, Traceable™ Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
02261840	99 hours, 59 minutes, 59 seconds	1 second	0.01%	4

Fisher Scientific™ Traceable™ Three-Channel Alarm Timer



Innovative timer has programmable alarm with adjustable volume control for any environment

- Features: countdown, distinct alarm and display indicator per channel
- Simple-to-use timer is ideal for quality-control and experimental requirements
- Alarms sound for 60 seconds and may be turned off manually
- Supplied: batteries, Traceable™ Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
066625	99 hours, 59 minutes, 59 seconds	1 second	0.01%	3

Fisher Scientific™ Traceable™ Original Lab Timer

Three-channel lab staple gives years and years of reliable service

- **Features:** countdown, distinct alarm and display indicator per channel
- **Simple-to-use timer is ideal for quality-control and experimental requirements**
- **Alarms sound for 60 seconds and may be turned off manually**
- **Supplied:** batteries, Traceable™ Certificate



Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
0666255	9 hours, 59 minutes, 59 seconds	1 second	0.001%	3

Fisher Scientific™ Traceable™ Triple-Display Timer

Triple-line display makes easy work of simultaneously timing three events

- **Features:** count up/down, time in/out, memory, alarm, stopwatch, 12/24-hour clock
- **Perfect timer for dedicating to a test requiring several different times**
- **Unique memory returns channel to previously programmed setting at touch of a key**
- **When zero is reached, distinct alarm sounds and timer counts up showing time elapsed since alarm**
- **Supplied:** battery, magnetic back, Traceable™ Certificate



Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
066623	19 hours, 59 minutes, 59 seconds	1 second	0.01%	3

Fisher Scientific™ Traceable™ Three-Line Alarm Timer

Unique, 3-channel timer is perfect for use in all count up/down timing combinations

- **Features:** alarm for each channel sounds for 60 seconds, count up/down, memory, clock
- **Display:** 3-line LCD with 9.7 mm high digits
- **Supplied:** clip, stand, magnet, battery, Traceable™ Certificate



Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
0666246	99 hours, 59 minutes, 59 seconds	1 second	0.01%	3

Traceable to NIST for accuracy: To assure accuracy, all Traceable™ Timers are provided with an individually serial-numbered Traceable™ Certificate is provided from an ISO/IEC 17025 (1750.01) calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Fisher Scientific™ Traceable™ Timers



Fisher Scientific™ Traceable™ Jumbo Timer

Read display from any angle

- Features: count up/down, time in/out, memory, alarm, 12/24 hour clock, stopwatch
- Adjustable jumbo display from 90° to 180°
- When zero is reached, distinct alarm sounds and timer counts up showing time elapsed since alarm
- Supplied: battery, stand, wall-mount, Traceable™ Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels	Unit Colour
0666247	23 hours, 59 minutes, 59 seconds	1 second	0.01%	2	Black
0666248	23 hours, 59 minutes, 59 seconds	1 second	0.01%	2	White



Fisher Scientific™ Traceable™ Flashing LED Alert Big-Digit Alarm Timer

Big-DigitTimer has it all—adjustable alarm, flashing led, superb accuracy

- Features: count up/down, flashing LED, adjustable volume
- Green light flashes every second after timing reaches 10 seconds; red LED indicator flashes when zero is reached and shows time elapsed since alarm
- Adjustable volume: high decibel, low decibel, or off for silent visual flashing LED operation
- Supplied: batteries, magnetic back, flip-open stand/ clip, opening for lanyard, Traceable™ Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
06664252	99 hours, 59 minutes, 59 seconds	1 second	0.01%	2



Fisher Scientific™ Traceable™ Nano™ Timer

Small design—large display

- Features: countdown alarm time/stopwatch (count-up) time, or 12/24 hour clock
- Two-channel memory automatically returns display to original programmed time
- Supplied: battery, clip/stand, magnet on back, Traceable™ Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
1464983	23 hours, 59 minutes, 59 seconds	1 second	0.01%	2

Traceable to NIST for accuracy.

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Fisher Scientific™ Traceable™ Flashing LED Alert Big-Digit Alarm Timer

Big-Digit Timer has it all—adjustable alarm, flashing led, superb accuracy

- **Features:** count up/down, flashing LED, adjustable volume
- **Green light flashes every second after timing reaches 10 seconds; red LED indicator flashes when zero is reached and shows time elapsed since alarm**
- **Adjustable volume:** high decibel, low decibel, or off for silent visual flashing LED operation
- **Supplied:** batteries, magnetic back, flip-open stand/ clip, opening for lanyard, Traceable™ Certificate



Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
06664251	99 minutes, 59 seconds	1 second	0.01%	1

Fisher Scientific™ Traceable™ GIANT-DIGIT™ Countdown Timer

View 33.7 mm giant size digits on your bench timer from across lab

- **Features:** countdown/up, memory, stopwatch mode
- **Unique memory returns channel to previously programmed setting at touch of a key**
- **Supplied:** stand, magnetic back, battery, Traceable™ Certificate



Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
02261839	99 minutes, 59 seconds	1 second	0.01%	1

Fisher Scientific™ Traceable™ Extra, Extra Large Digit Countdown Timer

Extreme 38 mm digit height allows viewing from 18 metres

- **Features:** count up/down, memory, alarm, stopwatch
- **Unique memory returns channel to previously programmed setting at touch of a key**
- **Supplied:** hanger, clip, easel bench stand, magnetic back, battery, Traceable™ Certificate



Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
15081100	99 minutes, 59 seconds	1 second	0.01%	1

Fisher Scientific™ Traceable™ 100-Hour Mini-Alarm Timer/Stopwatch

Lab partner delivers multiple functions for routine, everyday timing needs

- **Features:** count up/down, time in/out, memory, extra-loud alarm, clock
- **Numbered keys make it a breeze to set countdown time**
- **When zero is reached, alarm sounds, TIME'S UP flashes and timer counts-up, shows time elapsed since alarm**
- **Supplied:** battery, magnetic back, flip-open stand, clip, opening for lanyard, Traceable™ Certificate



Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
1464915	99 hours, 59 minutes, 59 seconds	1 second	0.01%	1

Traceable to NIST for accuracy:

To assure accuracy, all Traceable™ Timers are provided with an individually serial-numbered Traceable™ Certificate is provided from an ISO/IEC 17025 (1750.01) calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).



Fisher Scientific™ Traceable™ 99M/59S Timer

Jumbo-digit, light weight, portable lab partner is ideal for repetitive countdown tests

- Features: count up/down, memory, large keys, extra large digits, alarm
- Unique memory resets display to last programmed time for quick repeat of frequent, routine tests
- Supplied: battery, magnet, flip-open stand, clip, Traceable™ Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
0666251	99 minutes, 59 seconds	1 second	0.01%	1



Fisher Scientific™ Traceable™ Triple-Purpose Timer

Displays countdown alarm time, stopwatch time, and time

- Features: big-digits, countdown alarm time, stopwatch, 12/24-hour clock
- Full 0-9 keyboard makes entering times exceptionally fast
- Supplied: magnetic back, battery, Traceable™ Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
0666250	9 hours, 59 minutes, 59 seconds	1 second	0.01%	1



Fisher Scientific™ Traceable™ Vibrating Timer

Innovative countdown timer vibrates when time is up; quietly nudges you during a meeting or perfect for loud environments when hearing a buzzer is impossible

- Select either vibrating or an audible alarm with the flip of a switch
- Individually numbered keys make setting time fast and easy
- Countdown and alarms on single channel
- Automatic Bounceback™ Memory for repetitive timing
- Counts up during alarming indicating elapsed time since alarming
- Supplied: magnetic back, stand/spring-clip, Traceable™ Certificate, battery, and opening for lanyard

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
14650124	9 hours, 99 minutes, 99 seconds	1 second	0.01% quartz-crystal	1

Traceable to NIST for accuracy.

To assure accuracy, all Traceable™ Timers are provided with an individually serial-numbered Traceable™ Certificate is provided from an ISO/IEC 17025 (1750.01) calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Fisher Scientific™ Traceable™ Timers

Fisher Scientific™ Traceable™ Waterproof/Steam-proof Timer

Affix this timer anywhere using removable suction cup

- **Features:** countdown/up, memory, stopwatch mode, waterproof, steamproof
- **Ideal for use in wash-down areas, wet labs, manufacturing plants or field work**
- **Impressive memory remembers most-recently-programmed setting for recurring lab experiments**
- **Supplied:** stand, removable suction-cup, battery, Traceable™ Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
15081120	99 minutes, 59 seconds	1 second	0.01%	1



Fisher Scientific™ Traceable™ Fingertip™ Timer

Quick-to-program, three-key, countdown timer delivers error-free operation for any lab test

- **Features:** count down, time in/out, alarm
- **Impressive memory remembers most-recently-programmed setting for recurring lab experiments**
- **May be placed on incubators, refrigerators, and ovens with the magnet on the back**
- **Supplied:** battery, magnetic back, Velcro®, Traceable™ Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
0666226	99 minutes, 59 seconds	1 second	0.01%	1



Fisher Scientific™ Traceable™ Instant-Recall Memory Timer

Always-ready timer delivers accurate results for lab's demanding countdown requirements

- **Features:** count down, time in/out, memory
- **Intuitive, 3-key programming make this all-time-favourite perfect for delivering countdown results**
- **Valuable time-out function permits unlimited time-outs without having to reset timer**
- **Supplied:** battery, flip-open stand, clip, magnetic back, opening for lanyard, Traceable™ Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
024017	99 minutes, 59 seconds	1 second	0.01%	1



Traceable to NIST for accuracy:

To assure accuracy, all Traceable™ Timers are provided with an individually serial-numbered Traceable™ Certificate is provided from an ISO/IEC 17025 (1750.01) calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Fisher Scientific™ Traceable™ Clocks



Fisher Scientific™ Traceable™ Calendar/Thermometer/Clock

Clock has stylish 2-tone colour and slim silhouette

- Features: time, date/day, temperature
- Supplied: battery, wall-mount, Traceable™ Certificate

Cat. No.	Feature parameters	Resolution	Accuracy	Size/Weight
146485	Time: 12/24 hour clock	1 minute	0.01%	235 x 254 x 25.4 mm, 538 g
	Temp: -5 to 50°C	0.1°	n/a	



Fisher Scientific™ Traceable™ Water-resistant Indoor/Outdoor Clock

Ideal for wash-down areas and harsh environments

- Features: O-ring sealed, waterproof ABS impact-resistant case, displays °F/°C simultaneously
- Supplied: wall mount, batteries, Traceable™ Certificate

Cat. No.	Feature parameters	Resolution	Accuracy	Size/Weight
0666451	Time: AM/PM	1 second	0.01%	177.8 mm dia., dial: 127 mm; 340 g
	Temp: -20 to 40°C	1°	±1.5°C	



Fisher Scientific™ Traceable™ Clock Thermometer/Humidity

Bright, sweeping hands simultaneously display time, temperature, and humidity on wall

- Features: analogue time, temperature, humidity
- Supplied: battery, wall mount screw, Traceable™ Certificate

Cat. No.	Feature parameters	Resolution	Accuracy	Size/Weight
0666410	Time: AM/PM clock	1 second	0.01%	317.5 mm diameter, 1 pound
	Temp: -20 to 55°C	1°	n/a	
	Humidity: 0 to 100%	2%	n/a	



Fisher Scientific™ Traceable™ Stick-it™ Mini-Clock

Small size makes mini-clock perfect for work area

- Features: analogue time, O-ring sealed metal case, no winding required
- White timing hands give superior visibility
- Flat bottom permits standing on shelf, desk or bench
- Supplied: Velcro®, double-sided tape, battery, Traceable™ Certificate

Cat. No.	Feature parameters	Resolution	Accuracy	Size
15078188	AM/PM clock	1 second	0.01%	40 mm dia. x 7.6 mm

Fisher Scientific™ Traceable™ Stopwatches

Fisher Scientific™ Traceable™ Water-resistant/ Shockproof Stopwatch

General purpose stopwatch is water-resistant to three atmospheres

- **Features:** water-resistant, chronograph, time of day in hours, minutes, and seconds, date, day, and alarm
- **Stopwatch functions:** single action, time out, cumulative split, interval split, continuous timing
- **Supplied:** battery, key-chain, Traceable™ Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy
0666256	23 hours, 59 minutes, 59 seconds	1/100 of a second (between 0 to 30 minutes)	0.01%
		1 second (between 31 min to 23 hr 59 min 59 sec)	



Fisher Scientific™ Traceable™ Jumbo-Digit Stopwatch

Vivid, large stopwatch digits provide ease in reading

- **Features:** water-resistant, time-of-day alarm, ABS plastic case, AM/PM, date, day, alarm
- **Stopwatch functions:** single-action, time-out, cumulative-split, and continuous timing
- **Supplied:** Velcro®, Traceable™ Certificate, battery, lanyard, detachable clip

Cat. No.	Timing Capacity	Resolution	Accuracy
146483	23 hours, 59 minutes, 59 seconds	1/100 of a second (between 0 to 30 minutes)	0.001%
		1 second (between 31 min to 23 hr 59 min 59 sec)	



Detachable
Clip

Fisher Scientific™ Traceable™ Big-Digit Stopwatch/ Chronograph

Utility unit has complete stopwatch functions and full chronograph features

- **Features:** big-digit, chronograph, time of day in hours, minutes, seconds, AM/PM, date, day, time-of-day alarm
- **Stopwatch functions:** single action, time in/out, cumulative split, continuous timing
- **Extra-tough ABS plastic shockproof construction makes unit ideal for lab and plant use**
- **Supplied:** battery, lanyard, Traceable™ Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy
146497	23 hours, 59 minutes, 59 seconds	0.01 second	0.0035%



Fisher Scientific™ Traceable™ Water-/Shock- Resistant Stopwatch

General purpose water-resistant stopwatch with tactile feel

- **Features:** chronograph, water-resistant, displays time in hrs, mins, secs, date, day, and pause-able alarm
- **Stopwatch functions:** single action, time out, cumulative split, continuous timing
- **Supplied:** battery, lanyard, Traceable™ Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy
1464911	23 hours, 59 minutes, 59 seconds	1/100 second (between 0 and 30 mins), 1 second (between 31 minutes to 23 hours 59 mins 59 secs)	0.01%



Fisher Scientific™ Traceable™ Digital Barometer

Digital Barometer is the perfect unit for plants, labs, and all other environments where there is a need to monitor conditions of environmental air parameters



- A four-line LCD continuously and simultaneously shows barometric pressure, temperature, relative humidity, barometric pressure trend and time
- MIN/MAX readings for barometric pressure, temperature and relative humidity are stored every hour for last 24 hours and are available for recall at the touch of a button
- Barometric pressure trend shows in bar-chart format the current and past 1/3/6/12 and 24-hour readings
- Altitude compensation: -100 to 2500 meters
- Computer output allows unit to be connected to a computer using the accessory Computer Data Acquisition System to permanently capture readings
- Supplied: Traceable™ Certificate, wall mount, flip open stand and batteries

Cat. No.	Function	Range	Resolution	Accuracy
14650118	Barometric pressure	500 to 1030 millibars (14.77 to 30.41 inHg)	1 mbar (0.01 inHg)	±4 mbar (±0.12 inHg)
	Temperature	32 to 131°F (0 to 55°C)	0.1°	±0.4°C (±0.8°F)
	Humidity	0 to 95% RH	1%	±3% RH between 5 to 75%, otherwise ±5% RH
Accessories				
14650120	Data Acquisition System Software			

Fisher Scientific™ Traceable™ Certified Reference Materials (CRM)

Fisher Scientific™ Traceable™ pH Buffer Standards (CRM)

The most accurate pH Standards available anywhere

- 100% compatible with all makes and instruments and electrodes
- Select values manufactured to IUPAC (International Union of Pure and Applied Chemistry) formulation—features long term buffer stability and buffer resistance to temperature changes during pH meter calibration
- Only Certified Reference Material meets all test requirements for Federal, State, and local agencies
- Triple-layered proprietary packaging—aluminium foil, PET and low-density polyethylene bag—prevents contamination by permeable gases and provides 2-year shelf life
- Each 16 ounce bottle or six pack single-use 100ml container is supplied with an individual temperature compensation chart, traceability information, Traceable™ Certificate



Fisher Scientific™ Traceable™ pH Buffer Standards Certified Reference Material (CRM) (CLEAR)

Cat. No.	Size	Accuracy	pH Value
06664259	16 oz. bottle	25°C is ± 0.010 pH	4.005
06664260			7.000
06664261			10.012
06664262	100 ml One-Shot™ (6-pack)	25°C is ± 0.010 pH	4.005
06664263			7.000
06664264			10.012

Fisher Scientific™ Traceable™ Conductivity Standards (CRM)

Highest accuracy available assuring reliable results

- Certified Reference Material
- 100% compatible with all conductivity meters
- Each bottle or One-Shot™ is labelled for calibrating conductivity, resistivity and dissolved solids
- Accuracy at 25°C is ± 0.25 microsiemens for 1, 5, 10 microsiemen solution or $\pm 0.25\%$ for other solutions or the uncertainty noted on the certificate
- Each 16 ounce bottle or six pack single-use 100ml container is supplied with an individual temperature compensation chart, traceability information, Traceable™ Certificate



Fisher Scientific™ Traceable™ Conductivity Standards, Certified Reference Material Accredited ISO Guide 34 (1750.02), ISO Guide 35, ISO Guide 31, ISO/IEC 17025 (1750.01)

Cat. No. 16 oz. bottle	Cat. No. Individually Tested 16 oz. bottle	Cat. No. 100 ml One-Shot™ (6-pack)	Microsiemens/ Micromhos	Megohms	TDS/PPM
15077945	15 077 946	—	1	1	0.66
0666424	15 077 947	06 664 25	5	0.2	3.3
093281	15 077 948	09 328 6	10	0.1	6.6
093282	15 077 949	09 328 7	100	0.01	66
093283	15 077 950	09 328 8	1000	0.001	666
0932811	15 077 951	09 328 12	1413	0.00071	933
093284	15 077 952	09 328 9	10000	0.0001	6666
093285	15 077 953	09 328 10	100000	0.00001	66666
06664265	06 664 267	06 664 268	150000	0.000006	100000
06664266	06 664 274	06 664 275	200000	0.000005	133333



Fisherbrand® Variable-Flow Peristaltic Tubing Pump

Compact, variable-flow, bi-directional pump offers adjustable flow delivery

- Five different tubing sizes provide fine resolution with a wide flow range; revolution of one roller delivers a precisely measured volume specific to the tubing size and motor speed
- Fluid contacts only tubing for contamination-free pumping
- Tubing may be used with fluid temperatures from –80 to 500°F (–62 to 260°C)
- Supplied: silicone tubing, polypropylene fittings/nipples, universal adaptor, accessory battery connector

Cat. No.	Flow rate range
138764	0.005 to 1.8 ml/minute
138761	0.03 to 8.20 ml/minute
138762	0.4 to 85.0 ml/minute

Fisherbrand® Scientific Technical Pen Assortment

Precision pens are perfectly balanced

- Smooth-flowing, fade-proof ink is patented formulation
- Available in narrow 0.2mm lines for sharp, precise and clear writing
- Instant-drying ink eliminates smearing and bleeding



Cat. No.	Qty	Line width	Colour
133831A	6	0.2mm	Black
133831B	6	0.4mm	Black
133831C	6	0.2mm	Red
133831D	6	0.4mm	Red
133831E	6	0.2mm	Blue
133831F	6	0.4mm	Blue
133831G	6	0.2mm	Green
133831H	6	0.4mm	Green

Fisherbrand® Cheesecloth Wipes

Ideal for wiping cuvettes, microscopes, glassware, syringes, pipettes and pH electrodes

- Meets all cleanliness specifications of USP (United States Pharmacopoeia) and Federal Specification CCC-G-101c
- Pure wipes absorb 6 times their weight of solvents and aqueous solutions
- Certified to be 100% pure cotton of reagent-grade quality and purity
- Can be used as a filtering material due to their inertness to harsh solvent

Cat. No.	Size	Quantity
0666529	228 mm-square pad (8-ply) unfolds to approximately 457 x 914 mm	60/dispenser box
0666528	101.6 mm-square pad (8-ply) unfolds to approximately 177 x 355 mm	200/box
22055053	Cheese cloth 0.9 meter wide	100-yard bolt



Fisherbrand® Optic™ Glass Wipes

Made of lint-free microfibre cloth

- Non-woven, lint-free cloth is pre-moistened with a unique formulation—easily removes oil, grease and lint
- Designed specifically for wiping goggles, eyeglasses, lenses, microscopes and fume hood windows
- Individually dispensed, wipes are handy and ready for instant use

Cat. No.	Size	Quantity/canister
1507763	152 x 228 mm wipes	100 wipes



Fisher Scientific™ Counter-Pen™

The ideal cell growth colony counter

- Combination marker and digital counter designed for the lab and plant
- Sound and count occur simultaneously when black mark is made with felt-tipped pen
- Essential for counting cell growth on petri dishes, inventory parts, and tally samples received
- Pen marks hold place if interrupted and counter holds total
- Supplied: replaceable pen, cap, battery

Cat. No.	Counting quantity	Size
1464977	99,999	152 x 16.7





Illuminated Magnifiers

Powerful lighted magnifiers provide perfect-focus and defined view of surface details


- Features start-of-the-art LED lamps and provide even light over surface being observed
- Low-power consumption and high-efficiency lamps improve battery life and performance

Cat. No.	Magnification	Magnifying lens size	Features
120716A	2X with 4X spot	76 mm diameter	illuminated, hand-held
120716B	4X	44.5 mm diameter	illuminated, hand-held

Fisherbrand® Hands-Free™ Fold-up Magnifiers

White ruler markings in both inches and millimetres assist with measuring

- All glass optics assure perfect focus with zero distortion
- Designed specifically for use in quality control, labs, food, electronics, manufacturing
- Hands-Free™ Magnifiers allow two-handed examination of objects
- Folds up for compact storage




Cat. No.	Magnification	Lens Diameter	Lighted	Replacement Battery
1464819	2.5 X	111 mm	Yes	AA, 4 each
1464820	2.5 X	88.9 mm	Yes	AA, 4 each
1464821	3.0 X	76 mm	No	n/a
1464822	3.5 X	50.8 mm	No	n/a
1464823	5.0 X	31.75 mm	No	n/a
1464824	7.0 X	22 mm	No	n/a
1464825	10.0 X	12.7 mm	Yes	02-440-3A, 2 each

Fisherbrand® Adjustable Spray Wash Bottles

Convenient double headed design—adjustable spray nozzle

- Instant-off trigger release eliminates messy drips
- Chemical-resistant and virtually unbreakable bottles are made of high-density polyethylene (HDPE), sprayer is made of polypropylene
- Bottles may be gas or chemically sterilised, dishwasher safe
- Double-headed feature (Cat. No. 03-405) eliminates removing a dripping pump and allows refilling in seconds through a separate opening



Cat. No.	Features	Volume	Quantity
03405	Double-headed	1000 ml	1
03405A	Adjustable spray nozzle	240 ml	3/pack



Laboratory Equipment



Start Your Discovery Here

- Innovative Technologies
- Versatile, easy-to-use
- Safe and reliable
- Powerful performance



Centrifugation



mySPIN™ 12 mini centrifuge

- Compact design
- Easy to operate
- Quiet operation, low vibration
- Tool-free, quick rotor exchange
- Quick-spin feature
- Safety features: imbalance and tilt safety cut-out; safety interlock lid prevents opening while rotor is turning
- Able to perform fast spins with higher RCF requirements up to 9,800 x g
- Back-lit, customizable display can be set for rpm or RCF



mySPIN™ 6 mini centrifuge

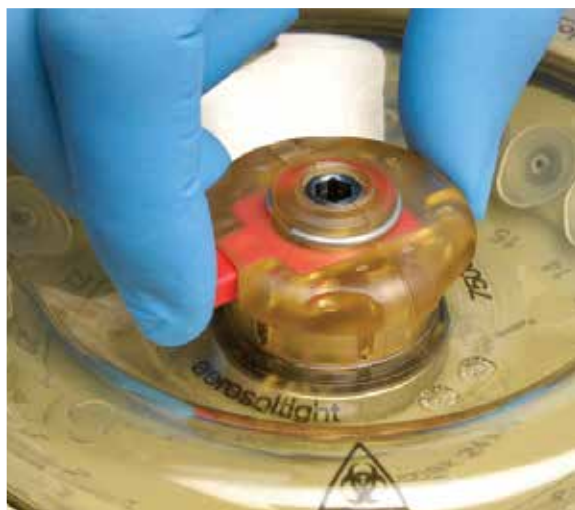
- Compact design
- Easy to operate
- Quiet operation, low vibration
- Tool-free, quick rotor exchange
- Tool-free, quick rotor exchange
- Quick-spin feature
- Safety features: unit will not operate without lid in place
- Quick tube extraction

Packed with possibilities, the Thermo Scientific™ mySPIN™ 12 mini centrifuge is designed to give you maximum speed and flexibility in a minimized footprint.

Its compact, ergonomic design fits on any workstation and is comfortable and easy for anyone to operate. Safety features help ensure it will not operate when the lid is open, a rotor is jammed, or the unit is out of balance. Ideal for most protocols requiring fast spins (12,500 rpm / 9,800 x g), and appropriate for PCR, microfilter cell separation, and HPLC protocols.

Bring efficiency and user comfort to your lab stations with the Thermo Scientific™ mySPIN™ 6 mini centrifuge.

Ergonomic design, tool-free rotors, and quick-spin options make it fast and easy to use. Efficient, compact footprint fits into a variety of workstations. Ideal for microfilter cell separations and HPLC samples, with adapters to accommodate all major microtube and PCR tube styles (2.0, 1.5, 0.5, 0.2 mL) for customized use.



Thermo Scientific™ Microcentrifuge Series combines power, versatility and convenience in a safe, compact, easy-to-use lab instrument. Available in both ventilated and refrigerated models, the microcentrifuge is designed to accelerate your routine sample preparation processes by providing high speed and generous capacity along with outstanding safety and convenience.

Details

- **Unique ClickSeal biocontainment rotor** lid “clicks” in place, providing certified assurance that samples are securely contained, and with one click opening, shortens retrieval time compared to screw-on lids
- **24 spin columns in standard rotor**
- **Intuitive controls and easy-to-read display simplifies operation**
- **Unique dual row rotor** holds 18 x 1.5/2.0mL and 18 x 0.5mL tubes, eliminating the need for adapters
- **Wide range of rotors for future upgrade**
- Conforms to the latest clinical and safety standards, including **In Vitro Diagnostics (IVD) compliance**
- **Faster processing times** offer unmatched acceleration and deceleration rates
- **Ideal for PCR, mini-preps, spin-columns**

Code	Description
75002410	Heraeus™ Pico™ 17
75002414	Heraeus™ Pico™ 17, 230V Dual Row Rotor
75002430	Legend™ Micro 17 230V 50/60 Hz
75002433	Sorvall™ Legend™ Micro 17, 230V Dual Row Rotor
75002415	Heraeus™ Pico™ 21
75002553	Pico™ 21 with Dual Rotor
75002435	Legend™ Micro 21 230V 50/60 Hz
75002557	Legend™ Micro 21 with Dual Rotor
75002420	Heraeus™ Fresco™ 17
75002423	Heraeus™ Fresco™ 17, 230V Dual Row
75002440	Legend™ Micro 17R 230V 50/60 Hz
75002443	Sorvall™ Legend™ Micro17R, 230V Dual Row
75002425	Heraeus™ Fresco™ 21
75002555	Fresco™ 21 with Dual Row Rotor
75002445	Legend™ Micro 21/R 230V 50/60 Hz
75002544	Legend™ Micro 21R with Dual Rotor
75004061	mySPIN™ 6 Mini Centrifuge
75004081	mySPIN™ 12 Mini Centrifuge
75002450	Thermo Scientific™ MicroCL 17+24x1.5/2ml Rotor+ClickSeal Lid
75002455	Thermo Scientific™ MicroCL 17R, +24x1.5/2ml Rotor+ClickSeal Lid
15321461	Dry Ice/Nitrogen Cold Trap, DN 10

Cold Storage Portfolio

Preparation - Storage - Transport - Monitoring & Diagnosis



Sample Preparation
+50 oC to -180 oC



Remote Monitoring and Diagnosis
+350 oC to -196 oC



Laboratory Refrigerators and Freezers
+4 oC to -40 oC
TSX-HPLRF and VLRF



Ultra-Low Temperature
Freezers
-40 oC to -86 oC



Cryogenic Storage
-140 oC to -196 oC



Transport

General-Purpose Lab Refrigerators and Freezers - 40°C to 12°C Thermo Scientific™ ES and GPS Series

Refrigerators: Available in 151 to 1400 Litres Capacities (+1 to +10°C)

Freezers: Available in 151 to 1400 Litres Capacities (-18°C to -25°C)

Key Features of ES Series:

- Digital temp display
- Hydrocarbon refrigerant (R600a)
- Adjustable audio/visual alarms
- Door lock & Door ajar alarm
- Remote alarm contacts
- Field reversible solid doors
- HCFC and CFC free insulation
- 16mm access port
- CE/ATEX marking
- Interior HIPS (High Impact Polystyrene)

Key Features of GPS Series:

- Digital display
- High and low temperature alarms
- Remote alarm contacts
- Access ports
- Forced air circulation
- CE marked
- HCFC- and CFC-free insulation
- Interior fluorescent lighting
- Interior made of "Sanisteel" with active antibacterial properties

PL6500 Series Lab Refrigerators and Freezers (-20°C to -40°C) / (+1 to 12°C)

- Suited for routine laboratory applications in non-regulated environments
- Advanced air stability: +/- 3°C
- Digital temperature controller with intuitive interface
- High and low visual temperature and audio alarms
- High-density, fluorine free insulation
- Heavy-duty construction
- Standard casters



ES Series

Cat No.	Description
PLR221	221 Litres, +1 to 12°C, (factory set +4°C)
PLR386	386 Litres, +1 to 12°C, (factory set +4°C)
PLR1006	1006 Litres, +1 to 12°C, (factory set +4°C)
PLR276	276 Litres, -20 to -40°C, (factory set -40°C)

fisherbrand Ultrasonic Baths

Quality you demand, value you appreciate

Our ultrasonic bath series provides an ideal support for all applications in analytical, medical laboratories and industrial production. The units are easy to operate with a clearly arranged display showing all set and actual parameters. Several special features do make the units perfect for intensive cleaning applications or laboratory applications.

Cat. No.	Description
FB15053	Ultrasonic bath Type S 40H, 4.25 Lit (With Heating)
FB15052	Ultrasonic bath Type S 40, 4.25 Lit
	Accessories
FB15083	Cover for S 30 / S 40
FB15073	Basket for Type S 40
FB15058	Ultrasonic bath Type S 80, 9.4 Lit
FB15059	Ultrasonic bath Type S 80 H, 9.4 Lit (With Heating)
	Accessories
FB15076	Basket for S 80
FB15062	Ultrasonic bath Type S 120, 12.75 Lit
FB15063	Ultrasonic bath Type S120 H, 12.75 Lit (With Heating)
	Accessories
FB15078	Basket for S 120
FB15086	Cover for S 100 / S 120
FB15064	Ultrasonic bath Type S 180, 18 Lit
FB15065	Ultrasonic bath Type S 180 H, 18 Lit (With Heating)
	Accessories
FB15087	Cover for S 180
FB15079	Basket for S 180
FB15054	Ultrasonic bath Type S 60, 5.75 Lit
FB15055	Ultrasonic bath Type S 60 H, 5.75 Lit (With Heating)
	Accessories
FB15084	Cover for S 60
FB15074	Basket for S 60



FB15xxx Series



FB15150



FB15150 Accessories

FB112xx Series





Model 705



Model 505

Fisher Scientific™ Sonic Dismembrators

Fisher Scientific™ offers a full line of Sonic Dismembrators with a variety of features and accessories to handle virtually any liquid processing application.

Applications Include :

- Cell disruption
- Homogenization
- ChIP/DNA shearing
- Nanoparticle dispersion
- Protein extraction
- Sonochemistry
- Soil extraction
- Mixing

Cat. No.	Description
FB50220	Fisher Scientific™ Model 50 Sonic Dismembrator
FB120220	Fisher Scientific™ Model 120 Sonic Dismembrator
Accessories	
FB460	Clamp Stand
FB432A	Sound Enclosure-MDL 50 OR 120
FB505220	Fisher Scientific™ Model 505 Sonic Dismembrator
FB705220	Fisher Scientific™ Model 705 Sonic Dismembrator
Accessories	
FB432B2	Sound Enclosure for model 505 and 705
FB459	Clamp Stand for model 505 & 705

Thermo Scientific™ Thermal Mixer

The Thermo Scientific™ Thermal Mixer is a versatile mixer with variable speed and temperature control for a variety of applications.

Features

- Fast heat-up and cooling times and quick to reach specified mixing speed
- Temperature range : +4°C to 100°C
- Temperature control range : 15°C below ambient to 100°C
- Shaking speed : 250 to 1400 rpm
- Temperature stability : ±0.1°C
- Even mixing across the thermoshaker block
- Excellent uniformity across the block
- Digital timer with sound alarm : 1 min to 96 hours
- Temperature calibration function – Compensate for differences in the thermal behavior of different tubes and samples
- Choice of 5 interchangeable blocks
- LCD Display indicates the set and actual time of operation, mixing speed, and temperature
- Heating/Cooling and mixing functions can be run independently of each other



Thermo Scientific™ Smart-Vue™ Wireless Monitoring

Smart. Scalable. Simple.



Fisher Scientific™ Vacuum Pumps

Fisher Scientific vacuum pumps combine high tech materials with outstanding engineering. They are designed to fit most laboratory applications, both routine and research. When choosing a vacuum pump, consider application, sample composition and operating parameters.

Perfectly tuned for

- Filtration ■ Desiccation ■ Concentration
- Degassing ■ Distillation ■ Drying

Cat. No.	Description
FB70155	Piston Pump, 9.2/11 l/min 290 mbar 2.3 bar
FB65499	General Duty Vacuum Pump 15 l/min 100 mbar
	Accessories
404008	Kit 4 - Filtration kit & Dessicator kit- vacuum hose and hydrophorb inline filter, for DN 6 & 8 hose adapter
FB65452	Chemical Duty Diaphragm 16/18 L/min
	Accessories
402008	Service kit for FB65452, FB65500, include diaphragms, valves, O-Rings
FB65453	Chemical Duty Diaphragm 38/41 L/min
	Accessories
402041	Service kit for FB65453, include diaphragms, valves, O-Rings
FB65454	Chemical Duty Diaphragm 33/36 L/min
	Accessories
402015	Service kit for FB65454, include diaphragms, valves, O-Rings
112575	Kit 1 - Rotary Evaporator kit with vacuum hose 18/8x5 mm, cooling water & chiller connection hose, clamps
404005	Kit 2 - Vacuum oven kit, DN 16+25 KF - DN 8, vacuum hose, hose connector and clamps
404006	Kit 3 - Advanced Vacuum oven kit, DN 16+25 KF - DN 8 with vacuum hose, dust filter, hose connector and clamps
700458	Vacuum Regulator with Dial Gauge for FB65452, FB65453 & FB65454
	Accessories
302075	Service kit for FB65459, include diaphragms, valves, O-Rings
	Accessories
302076	Service kit for FB65460, include diaphragms, valves, O-Rings
	Accessories
302077	Service kit for FB65461, include diaphragms, valves, O-Rings



Piston Pump
FB70155



Diaphragm Pump
FB65499



FB65452



FB65453



FB65454



FB65457

Chemical Duty Diaphragm Pump

FB65458



FB65460

Two-Stage Direct Driven
Rotary Vane Pumps

Cat. No.	Description
Accessories	
302079	Service kit for FB65464, include diaphragms, valves, O-Rings
330060	Hose Adapter Kit, 1.5m thick walled rubber hose in Size DN10 and DN20, tubing adapter and clamps
330031	Kit 5 - Freeze Dryer Adapter kit, DN 16 KF
330032	Kit 6 - Freeze Dryer Adapter kit, DN 25 KF
330060	Hose Adapter Kit, 1.5m thick walled rubber hose in Size DN10 and DN20, tubing adapter and clamps
330044	Kit 7 - Vacuum Concentrator Adapter kit, DN 16 KF
330045	Kit 8 - Vacuum Concentrator Adapter kit, DN 25 KF
330053	Kit 11 - Vacuum Pump Control Package with MRV 100, DN 16 KF
330054	Kit 12 - Vacuum Pump Control Package with MRV 100, DN 25 KF
FB65499	General Duty Vacuum Pump 15 l/min, 100 mbar
FB70155	Piston Pump, 9.2/11 l/min 290 mbar 2.3 bar
FB70157	Compact Station, 9.2/11 l/min,
10676093	High Flow Station, 28/34 l/min, 93 mbar

Vacuum Systems

The FB65500 is the perfect system for evaporation and distillation in combination with rotary evaporators and gel dryers. The dry running diaphragm pump and all components coming into contact with vapours are chemically resistant even against acidic, basic and organic solvents

Design Features

Vapor recovery system
protects lab air quality

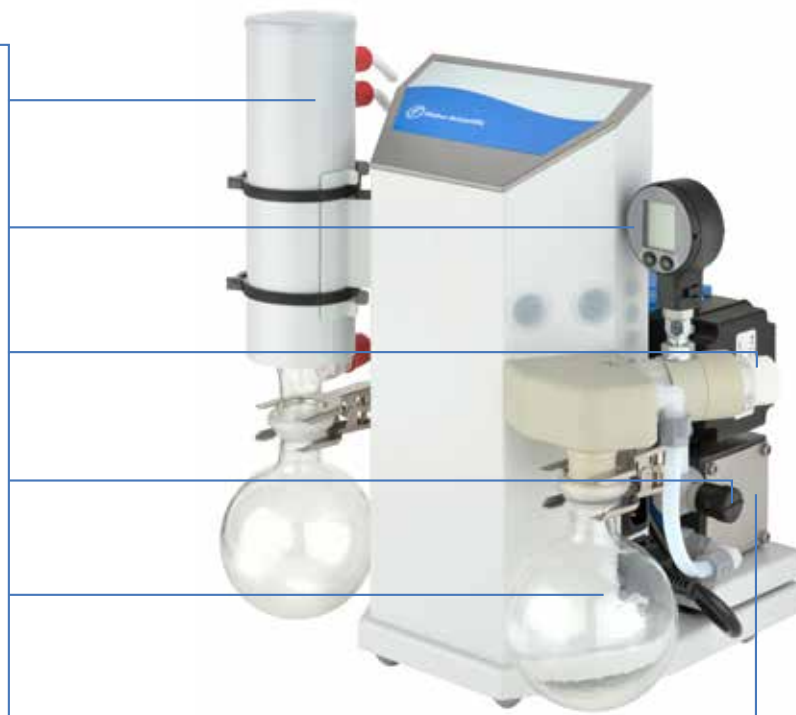
Digital vacuum display
for easy and precise vacuum readout

Vacuum Regulator
regulated effective ultimate pressure

Gas ballast valve
helps to preserve pump performance

Separator/liquid trap
protects pump from liquid entering into the pump

Chemical duty diaphragm pump
fast stripping of most common solvents



Cat. No.	Description
FB65500	Vacuum System, 16/18 L/min, 8 mbar

General Conditions for Sale

TAXES AND DUTIES

"Tax" shall include taxes, Good & Service Tax (GST) which shall comprise of Central Goods and Services Tax ('CGST'), the State Goods and Services Tax ('SGST'), Integrated Goods and Services Tax ('IGST') and any other taxes, cess and similar imposts levied under applicable tax related legislations in India as may be applicable. In case the customer is eligible for any exemption or lower rate of tax, the customer is responsible to provide the requisite details, documents, declarations or undertake any prescribed compliances for the purpose of tax exemptions / lower tax rates while issuing purchase order or before supply is made (whichever is earlier). In absence of requisite details, documents, declarations, no tax exemption/ lower rates would be extended. Further, in case of any incorrect / incomplete / non-compliance on behalf of the customer and because of which a demand is made on the Thermo Fisher Scientific India Pvt. Ltd. by the tax authorities, the customer shall be immediately liable to pay the applicable taxes / amounts (including interest, penalty and associated litigation cost) if any upon notification by Thermo Fisher Scientific India Pvt. Ltd.. Customer's Purchase Order should factor all details required for GST computation and credit availment.



DELIVERY

- Delivery conditions are C.I.P. basis for channel partners and door delivery basis for direct customers.
- For order value less than ₹ 10,000 freight will be charged extra.
- While every effort will be made to adhere to delivery dates, no responsibility is and will be accepted for non-delivery or for delayed delivery.
- Items offered are subject to the goods being in stock on the date of receipt of the order.
- Road Permit wherever applicable should accompany the order, failing which the order will not be executed till such time the same is received.
- Sale of certain products is prohibited in some states. Requisite storage license and permit details should be sent along with the order for processing.

INSURANCE

- All goods are packed with utmost care and forwarded at customer's risk.
- No responsibility is taken for breakages or loss in transit. Such claims should be sent to the Customer Services within 24 hours of receipt of goods.

AMENDMENTS OR CANCELLATIONS

An order once placed shall not be cancelled.

All other general terms and conditions of sale of Thermo Fisher Scientific India Pvt. Ltd. apply.

For further details or assistance, please feel free to contact us:

Thermo Fisher Scientific India Pvt. Ltd.

403-404 B-Wing, Delphi, Hiranandani Business Park, Mumbai 400 076.

Phone No: 022-6680 3000 / 6716 2200 • Fax: 022 - 6680 3001

India Toll free no.: 1-800-222-230

Email: LSI_marketing@thermofisher.com

Pipetting Ergonomics

Pipetting creates a musculoskeletal load on the neck, shoulders and upper limbs that can lead to repetitive stress injuries.

Tips to minimize the risk of injuries:

Reduce forces on the thumb and hands

- Use lightweight pipettes with:
Light plunger operation or trigger based operation
Light tip attachment and ejection
A finger rest to eliminate squeezing
- Use a pipette that comfortably fits in the hand
- For tasks such as mixing or aliquoting, use an electronic pipette with mixing functions.

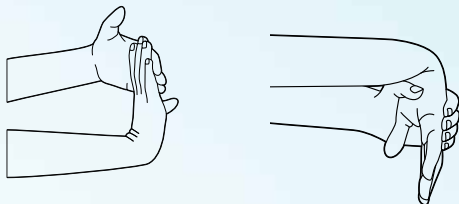
Set up a good workstation

- Adjust the workstation so the work can be done with arms close to the body
- Keep samples and instruments within easy reach
- Use low profile waste receptacles, no higher than the top of the tubes being filled
- Use an adjustable stool or chair



Take a break

Take micro-breaks of 3-5 minutes for every 20-30 minutes of pipetting. Hand exercises and stretches are beneficial.



Keep your pipettes clean

Clean pipettes on a regularly scheduled basis to reduce “sticking” and improve the quality of work.



Contact

Mumbai

Thermo Fisher Scientific India Pvt. Ltd.
403/404, Delphi, 'B' Wing,
Hiranandani Business Park, Powai,
Mumbai - 400 076.
Tel: +91-22-6680 3000 / 6716 2200
Fax: +91-22-6680 3001

Ahmedabad

Thermo Fisher Scientific India Pvt. Ltd.
B - 303, Shapath-IV
Opp. Karnavati Club,
S. G. Road, Ahmedabad - 380 051.
Tel: +91-79-6900 0550 / 7
Fax: +91-79-6900 0557

Bengaluru

Thermo Fisher Scientific India Pvt. Ltd.
2nd & 3rd Floor, "Prestige Sapphire"
#159, 9th Main Road, 17th Cross,
Jayanagar III Block, Bengaluru - 560 011.
Tel: +91-80-6739 8000
Fax: +91-80-6739 8001

Chennai

Thermo Fisher Scientific India Pvt. Ltd.
Sun Centre, 4th Floor, No:2, Tank Bund Road,
Opp Loyola College,
Nungambakkam, Chennai - 600 034.
Tel: +91-44-6609 4400
Fax: +91-44-6609 4428

Hyderabad

Thermo Fisher Scientific India Pvt. Ltd.
My Home Twitza, 13th Floor, Plot no -30/A,
Survey no - 83/1, TSIIIC Hyderabad
Knowledge City, Raidurg (Panmagtha) Village,
Serilingampally Mandal, Ranga Reddy District,
Hyderabad - 500 081
Tel: +91-40-6720 2700
Fax: +91-40-6720 2701

Hyderabad

Thermo Fisher Scientific India Pvt Ltd.
Survey No.195 & 196, Kandlakoya,
Medchal Mandal, RR District,
Hyderabad - 501 401.
Tel: +91-40-6730 1234
Fax: +91-40-6730 1230

Kolkata

Thermo Fisher Scientific India Pvt. Ltd.
Unit No.# 801, Merlin Acropolis, 8th Floor,
1858/1, Rajdanga Main Road, Sector- 1,
East Kolkata Township, Kolkata - 700 107
Tel: +91-33-66087300

Nasik

Thermo Fisher Scientific India Pvt. Ltd.
Plot No. D-96, MIDC, C Road,
Satpur, Nasik - 422 007.
Tel: +91-253-2205 700
Fax: +91-253-2351 928

Noida

Thermo Fisher Scientific India Pvt. Ltd.
A-34, Ground Floor, Sector-2,
Noida - 201 301.
Tel: +91-120-4640 600
Fax: +91-120-4640 630

Pune

Thermo Fisher Scientific India Pvt. Ltd.
101/102, Pride Portal, Shivaji Housing Society,
Village Bhamburda, Off Senapati Bapat Road,
Pune - 411 016.
Tel: +91-20-6626 7000
Fax: +91-20-6626 7001

For customer service,

Call India toll-free 1-800-222-230

To fax an order, use 022 6680 3001.

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