

# FOCUS

EXCLUSIVE OFFERS & EXCITING NEW PRODUCTS



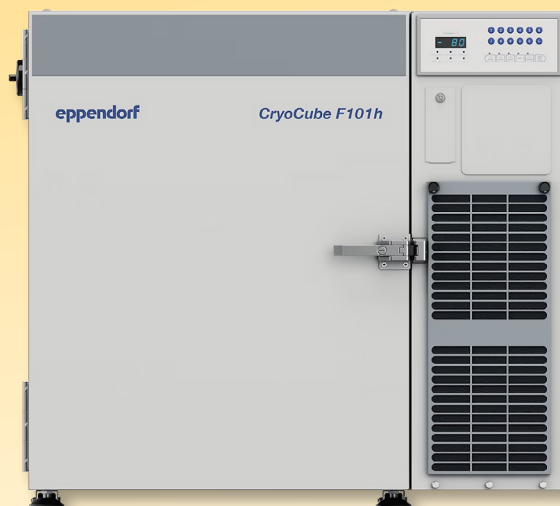
## GREAT NEW OFFERS INSIDE:

Cole-Parmer®  
Jenway® 73 Series  
Spectrophotometers  
(See page 44)

Thermo Scientific™  
Medifuge Centrifuge  
(See page 23)

### OHAUS® Pioneer™ PX Precision Balances

For essential weighing functionality with excellent performance at an affordable price. Carefully designed for durability and ease of use



### Eppendorf CryoCube® F101h ULT Freezer

Combines compact design with real -80°C to offer long-lasting and reliable ULT technology for safe sample storage

# WELCOME

## FOCUS SPRING 2024 Edition

Welcome to another fantastic issue of FOCUS! Packed with exclusive offers on laboratory products from market leading brands. We also have some exciting NEW offers in this edition, including the Eppendorf CryoCube® F101h ULT Freezers and the Cole-Parmer® Jenway® 73 Series Spectrophotometers. Speak to your local account manager to find out how these products can change your lab life for the better!

In addition to this issue, visit our website for supplementary 'FOCUS Extra' online offers, for even more great savings on many other fantastic products.

### REMEMBER:

These offers are EXCLUSIVE to SLS and valid until 31<sup>st</sup> May 2024

### Buy One, Get One TREE

Look out for products with the 'Buy One, Get One TREE' icon in our promotions. With every purchase of these products, we will plant a tree on your behalf.

Working in partnership with

*Ecologi*



## KEY

to product symbols



Length of warranty



NEW product



Made in Britain

to sustainable awards



Raw materials



Manufacturing



Distribution & packaging



Use



Disposal



For more information on our Sustainability Awards, please visit:  
[scientificlabs.com/sustainability](https://scientificlabs.com/sustainability)



## KEY Highlights



Eppendorf 5810 R  
Refrigerated Centrifuges  
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Corning® Stripettor™  
Ultra Pipette Controller  
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IKA Lab Dancer  
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Liebherr Mediline  
Spark Free Refrigerator  
and Freezer  
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## Eppendorf CryoCube® F101h ULT Freezer

5 YEARS

eppendorf

Combine compact design with real -80°C to offer long-lasting and reliable ULT technology for safe sample storage. By taking advantage of ultra-efficient, compact vacuum insulation panels which are used in combination with traditional PU foam insulation, the freezer walls have been slimmed down.

- Two compartment layout and two insulated inner doors for easy sample access
- Footprint is limited to half a square meter, especially designed for small lab
- Rails enable flexible positioning of the shelf, depending on your needs
- 80mm thick walls (polyurethane insulation and vacuum insulation panels)
- Green hydrocarbon-based cooling liquids (R290/ R170)
- Air-cooling



This item may incur an additional delivery charge

Code	Description	Capacity	Temp Range, °C	Dims, w x d x h, mm
<b>F21270</b>	F101h ULT freezer	101L	-50 to -86	900 x 566 x 830
<b>F21272</b>	MAX drawer freezer rack, stainless steel, for 53mm boxes	12 (6 x 2) boxes/rack	—	140 x 307 x 337

## Eppendorf CryoCube® F440h/ F570h ULT Freezers

5 YEARS

eppendorf

Based on a strong compressor and a dynamic and strong cooling system for fast recovery to -80°C after opening. Provide your valuable samples a safe and cold location. The freezer minimises operating costs while providing superior protection for your critical samples. A combined insulation based on vacuum insulation panels and polyurethane foam enables extremely low energy consumption during long-term storage.

- 5 compartment layout and 5 insulated inner doors for easy sample access and safe sample storage
- Green hydrocarbon based cooling liquids (R290/R170)
- Air-cooling
- Automatic vent port on front door for fast sample access



This item may incur an additional delivery charge

Code	Description	Capacity	Temp Range, °C	Dims, w x d x h, mm
<b>F19086</b>	F440h ULT freezer	440L	-50 to -86	944 x 898 x 1950
<b>F19088</b>	F570h ULT freezer	570L	-50 to -86	1103 x 898 x 1950
<b>F19092</b>	Freezer rack, stainless steel, for 53mm boxes	16 (4 x 4) boxes/rack	—	140 x 563 x 231

# Eppendorf CryoCube® F740 Series ULT Freezers



eppendorf



Combines the high-quality tradition of Eppendorf’s freezers with an increased capacity, store more of your samples securely while maintaining optimal energy usage. The integration of the PhysioCare Concept® means the CryoCube® F740 is easier and more comfortable to use, supports an ergonomic workspace, and enables an optimal workflow in the lab.

- Volume of 740L, storing up to 576x freezer boxes
- Temperature range from -50 to -86°C
- The “i” versions are equipped with a touchscreen interface where data is stored on-board and can be checked 24/7, data and reports can be extracted by a front-mounted USB port; the electronic lock system enables controlled access and higher sample safety
- Quick pull-down times for fast re-use, and short recovery times after opening
- 3 compartment units have 3 shelves (1 x fixed bottom, 2 x removable shelves), 5 compartment units have 5 shelves (1 x fixed bottom, 4 x removable)
- All models are equipped with 3 fixed position inner doors
- Green hydrocarbon based cooling liquids (R290/R170)

This item may incur an additional delivery charge

Code	Model	Interface	No. of Compartments	Door Handle
F21336	F740h	Classic	3	Left
F21338	F740h	Classic	3	Right
F21340	F740h	Classic	5	Left
F21342	F740h	Classic	5	Right
F21328	F740hi	Touchscreen	3	Left
F21330	F740hi	Touchscreen	3	Right
F21332	F740hi	Touchscreen	5	Left
F21334	F740hi	Touchscreen	5	Right

**Portwest® PW17 Curved Safety Glasses**

Lightweight and comfortable with 99% UV protection. Anti-scratch coating. EN 166 1FT, EN 170 2C-1.2.

Code

**F20264**



# Eppendorf 5810 R Refrigerated Centrifuges

3  
YEARS

eppendorf



One of the smallest 3L benchtop centrifuge currently available, with renowned quality and reliability. It is the workhorse for medium to high-throughput laboratories and combines versatility and high capacity. Designed to fit into every lab and make routine work more comfortable thanks to its quiet operation, soft-touch lid closure and low access height for easy loading and unloading.

- Compact footprint saves valuable bench space
- Automatic rotor recognition and imbalance detection
- FastTemp function for fast pre-cooling
- Continuous cooling maintains a constant temperature after the run has been completed
- ECO shut-off engages after 8 hours of non-use to reduce energy consumption and to extend compressor life
- Dynamic compressor control (DCC) technology for optimised cooling performance
- High centrifugation speed of up to 4500xg (swing-bucket rotor) or 20913xg (fixed-angle), 200 to 14000 RPM
- Timer 1min to 99min, with continuous run function, short-spin
- Temperature range: -9 to 40°C



Code	Supplied with
<b>F21312</b>	—
<b>F151379</b>	S-4-104 rotor, adapters for 15/50mL conical tubes
<b>F151380</b>	S-4-104 rotor, adapters for 13/16mL round-bottom tubes
<b>F21308</b>	A-4-62 rotor, adapters for 15/50mL tubes
<b>F21310</b>	A-4-81 rotor, adapters for 15/50mL tubes

## Rotors

Code	Description	Max Speed, RPM	Max RCF, xg
<b>F21314</b>	F-34-6-38 fixed angle rotor with lid for 6 x 85mL tubes	12000	18514
<b>F21316</b>	A-2-DWP plate rotor for deep well plates with 2 buckets	3700	2250
<b>F21318</b>	FA-45-6-30 rotor with aerosol-tight lid for 6 x 15/50mL tubes	12100	20133
<b>F21320</b>	FA-45-48-11 rotor with aerosol-tight lid for 48 x 1.5/2.0mL tubes	13000	19083
<b>F21322</b>	FA-45-20-17 rotor with aerosol-tight lid for 20 x 5.0mL Eppendorf Tubes®	13100	20913
<b>F21324</b>	F-35-48-17 rotor with 24 steel sleeves/adapters for 24 x 15mL conical tubes	5500	5005
<b>F21326</b>	F-35-48-17 rotor with 48 steel sleeves/adapters for 48 x 15mL conical tubes	5500	5005

# Eppendorf Research® Plus Pipettes

3  
YEARS

eppendorf

One of the safest and most ergonomic mechanical pipettes available. Meeting the highest needs of precision and accuracy while providing high flexibility via a large number of variants, the Research® plus will become an indispensable companion in your lab. It features low weight and operation forces, is extremely reliable, fully autoclavable and easy to use.



- Variable volume for highest flexibility
- Selected volume is displayed in the large 4 digit volume display
- Quick and accurate volume setting
- Intuitive to operate, provides a perfect balance and minimises operator strain and fatigue
- Unique spring-loaded tip cone saves you time and energy
- Innovative SOFTeject technology reduces tip ejection forces by 50%



Code	Channel	Volume Range, µL	Colour Code
<b>F21274</b>	Single	0.1 - 2.5	Dark grey
<b>F21276</b>	Single	0.5 - 10	Medium grey
<b>F21278</b>	Single	2 - 20	Yellow
<b>F21290</b>	Single	2 - 20	Light grey
<b>F21280</b>	Single	10 - 100	Yellow
<b>F21282</b>	Single	20 - 200	Yellow
<b>F21292</b>	Single	30 - 300	Orange
<b>F21284</b>	Single	100 - 1000	Blue
<b>F21294</b>	Single	250 - 2500	Red
<b>F21286</b>	Single	500 - 5000	Violet
<b>F21288</b>	Single	1000 - 10000	Turquoise
<b>F20238</b>	8	0.5 - 10	Medium grey
<b>F20242</b>	8	10 - 100	Yellow
<b>F20246</b>	8	30 - 300	Orange
<b>F21304</b>	8	120 - 1200	Dark green
<b>F20240</b>	12	0.5 - 10	Medium grey
<b>F20244</b>	12	10 - 100	Yellow
<b>F20248</b>	12	30 - 300	Orange
<b>F21306</b>	12	120 - 1200	Dark green
<b>F21296</b>	16	1 - 20	Light pink
<b>F21300</b>	16	5 - 100	Light yellow
<b>F21298</b>	24	1 - 20	Light pink
<b>F21302</b>	24	5 - 100	Light yellow



## 2<sup>nd</sup> Generation Feedstock – 1<sup>st</sup> Class Consumables

Meet your own sustainability targets with Eppendorf bio-based Consumables

Our sustainable bio-based consumables are made from 86% (bio-based-plates) and 90% (bio-based tubes and tips) "bio-circular" renewable-based feedstock (recycled e.g. from food oil wastes and residues) plus 10% - 14% fossil-based feedstock (applying ISCC mass balance approach). The choice of these consumables significantly reduces the need for fossil resources in production.

- > Eppendorf Production Center in Oldenburg, Germany is ISCC Plus\* certified
- > All bio-based consumables with ACT\*\*\* Environmental Impact Factor Certification from My Green Lab®
- > Various quality and purity certifications are accessible

**Discover more and order!**

\*International Sustainability & Carbon Certification

\*\*Accountability, Consistency, Transparency



ACT® is a registered trademark of My Green Lab, USA. My Green Lab® is a registered trademark of My Green Lab, USA. ISCC certified – supporting the bioeconomy' is a logo from ISCC System GmbH, Germany. Eppendorf®, the Eppendorf Brand Design are registered trademarks of Eppendorf SE, Hamburg, Germany. All rights reserved, including graphics and images. Copyright © 2023 by Eppendorf SE.

# Bimos Neon Laboratory Chairs

5  
YEARS

bimos



Neon combines ergonomic and functional characteristics that have until now been unknown in production environments with optimum industrial characteristics. Its innovative 1+1 system of chair and upholstery combination provides flexibility and sustainability, and ensures that it is perfectly adapted to the particular area of work. Both operating Neon and sitting on it are highly comfortable experiences.

- Magic synthetic leather
- Permanent contact backrest follows the user's movements, and ensures that the back always remains fully supported, synchronous technology provides an active-dynamic sitting experience with weight regulation
- Seat height, inclination, and depth adjustment
- Backrest height adjustment
- Orange flex strip
- Basalt grey backrest shell



Code	Model	Mechanism	Seat Height, mm
F19436	Neon 2 with castors	Synchronous technology	450 - 620
F19438	Neon 3 with mounting aid & glides	Permanent contact backrest	590 - 870

# 3M™ Versaflo™ Powered Air Turbo Starter Kit

3M Science.  
Applied to Life.™

A simple starter kit with all the component parts to get you up and running - simply add a 3M™ approved headtop to form a power-assisted system for respiratory protection.

- Two selectable flow rate options - 185L/mn and 205L/mn
  - Easy-to-use and versatile with a slim, lightweight, balanced design
  - Intelligent lithium ion battery quickly charges, has no memory effect and incorporates useful charge indicator
  - Electronic audible and visual low air flow and low battery alarms as well as battery charge indicator/ particulate filter loading status indicators and airflow indicator
  - Easy to adjust and maintain
- Kit includes:
- TR-302E+ turbo unit
  - Particle filter and pre-filter
  - Spark arrestors
  - Standard belt
  - High capacity battery and charger kit
  - Length adjusting breathing tube



Code

F21006



# KIMTECH™ POLARIS™

BUILT FOR SCIENCE. | MADE FOR YOU.



EN ISO 374-1 / Type B EN ISO 374-5



CE 2777  
UK 0321



## Kimtech™ Polaris™ / Polaris™ Xtra Nitrile Gloves

With proven protection against the harshest chemicals, superior dexterity and comfort you can count on, these gloves are built for science, made for you.

- Optimised nitrile formulation for extended chemical splash protection with no compromise on wearer comfort
- Food contact approved
- Type B (JKOPT) chemical splash protection<sup>1</sup>
- Non detectable level of vulcanization agent in the finished product
- Recyclable through the RightCycle Programme<sup>2</sup>
- Available in short (25cm) and long (30cm) cuff

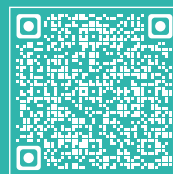


- +29 common chemicals tested
- +24 Cytotoxic drugs tested

Recyclable with

 **RightCycle**

By Kimberly-Clark Professional™



1. J: n-Heptane / K: Sodium Hydroxide 40% / O: Ammonium hydroxide 25% / P: Hydrogen Peroxide 30% / T: Formaldehyde 37%

2. Available in the UK, Ireland, France, Spain, Germany, Austria, Belgium, Netherlands and Switzerland

## Corning® Stripette™ Serological Pipettes

Bulk packed polystyrene pipettes, ideal for large-scale liquid handling applications. Featuring exclusive anti-drip tip to assure accurate delivery. Colour-coded magnifier stripes make volume reading and size selection easier.

- Sterile, nonpyrogenic and noncytotoxic
- RNase and DNase-free, human DNA-free
- BSE/TSE-free
- Exclusive anti-drip tip assures accurate delivery
- Colour-coded magnifier stripes make volume reading and size selection easier
- Bidirectional graduations provide choice of ascending and descending scales
- Negative graduations allow additional working volume
- Volumetric accuracy of  $\pm 2\%$  at full capacity



Supplied in packs of 500

Code	Volume, mL	Graduations, mL	Negative Graduations, mL	Colour Code
<b>F21022</b>	5	0.1	2.5	Blue
<b>F21024</b>	10	0.1	3.0	Orange
<b>F21028</b>	25	0.2	10.0	Red

## Gilson MICROMAN® E Pipettes



**GILSON®**

The ergonomically designed MICROMAN® E positive displacement pipettes, along with disposable capillary piston (CP) tips, provide the highest precision when pipetting viscous, non-aqueous liquids such as oils, blood, glycerol, and more, while protecting the pipette from contamination.

- Relies on positive-displacement technology to improve the precision of transferring viscous and volatile liquid
- Improved handle shape that rests comfortably in your hand, with a large push button for easy aspiration and dispensing
- Volume-locking switch allows for easy volume adjustment and minimises the risk of accidentally changing the volume
- Ideal when dealing with infectious solutions and radiolabelled components



Code	Description	Volume Range, $\mu\text{L}$
<b>F21074</b>	M10E	1 - 10
<b>F21076</b>	M25E	3 - 25
<b>F21078</b>	M50E	20 - 50
<b>F21080</b>	M100E	10 - 100
<b>F21082</b>	M250E	50 - 250
<b>F21084</b>	M1000E	100 - 1000





## Gilson PIPETMAN® L Manual Pipettes

3  
YEARS

**GILSON®**

Comfortable, precise, accurate, and reliable, use PIPETMAN® L pipettes confidently in your applications. Lightweight and balanced, it combines an ergonomic design with minimised pipetting forces, giving you the ability to pipette longer without fatigue.

- Adjustable tip ejector button to adapt to both right and left handed users
- True volume-locking mechanism to avoid accidental volume changes
- Fully autoclavable without disassembly
- DataMatrix 2D code for easy traceability



Code	Description	Channel	Volume Range, µL	Ejector
<b>F13196</b>	P2L	Single	0.2 - 2	Metal
<b>F13208</b>	P2L	Single	0.2 - 2	Plastic
<b>F13198</b>	P10L	Single	0.5 - 10	Metal
<b>F13210</b>	P10L	Single	0.5 - 10	Plastic
<b>F13200</b>	P20L	Single	2 - 20	Metal
<b>F13212</b>	P20L	Single	2 - 20	Plastic
<b>F13202</b>	P100L	Single	10 - 100	Metal
<b>F13214</b>	P100L	Single	10 - 100	Plastic
<b>F13204</b>	P200L	Single	20 - 200	Metal
<b>F13216</b>	P200L	Single	20 - 200	Plastic
<b>F13206</b>	P1000L	Single	100 - 1000	Metal
<b>F13218</b>	P1000L	Single	100 - 1000	Plastic
<b>F13220</b>	P5000L	Single	500 - 5000	Plastic
<b>F13222</b>	P10mL	Single	1000 - 10000	Plastic
<b>F10154</b>	P8X10L	8	0.5 - 10	Plastic
<b>F10158</b>	P8X20L	8	2 - 20	Plastic
<b>F10162</b>	P8X200L	8	20 - 200	Plastic
<b>F10166</b>	P8X300L	8	20 - 300	Plastic
<b>F17028</b>	P8X1200L	8	100 - 1200	Plastic
<b>F10156</b>	P12X10L	12	0.5 - 10	Plastic
<b>F10160</b>	P12X20L	12	2 - 20	Plastic
<b>F10164</b>	P12X200L	12	20 - 200	Plastic
<b>F10168</b>	P12X300L	12	20 - 300	Plastic
<b>F17030</b>	P12X1200L	12	100 - 1200	Plastic

### Kits

Code	Description	Contains
<b>F13240</b>	Starter kit	P20L, P200L, and P1000L PIPETMAN® L pipettes (metal ejector), D200 and D1000 DIAMOND® TIPACK racked tips, 3 x SINGLE™ pipette holders, 3 x plastic tip ejectors
<b>F13242</b>	Micro volume kit	P2L, P10L, and P100L PIPETMAN® L pipettes (metal ejector), DL10 and D200 DIAMOND® TIPACK racked tips, 3 x SINGLE™ pipette holders, 3 x plastic tip ejectors
<b>F13190</b>	Four pipette kit	P2L, P20L, P200L and P1000L PIPETMAN® L pipettes (metal ejector), DL10, D200 and D1000 DIAMOND® TIPACK racked tips, 4 x SINGLE™ pipette holders, 4 x plastic tip ejectors

## Corning® Lambda™ Plus Pipette Starter Kit



Engineered to provide the highest levels of accuracy, reproducibility, and comfort. Features smooth plunger movement and extremely low pipetting forces. A locking mechanism prevents accidental change to the volume setting. Designed to maintain their calibration, even after repeated use and autoclaving. A key is included with each pipette for easy in-house calibration.

- Factory calibrated to strict ISO 8655 standards
- Fully autoclavable and UV resistant
- Designed for universal fit with all common brands of pipette tips
- Adjustable tip ejector

Kit includes:

- 4 x Lambda™ Plus pipettes (0.5 - 10µL, 2 - 20µL, 20 - 200µL, 100 - 1000µL)
- 1 x universal carousel rack for 6 single channel pipettes
- 3 x DeckWorks™ pipette tips (10µL, 200µL, 1000µL)
- 1 x Corning® insulated lunch bag free gift



Code

**F13018**



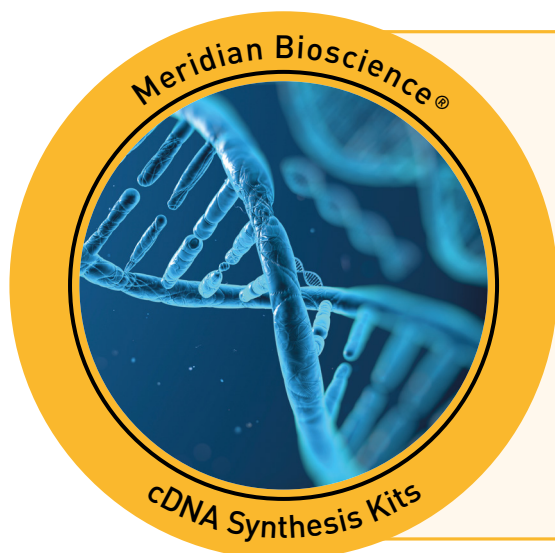
## Corning® Stripettor™ Ultra Pipette Controller

For use with glass and plastic serological pipettes from 0.5 to 100mL. Supplied with universal power supply, 3 x 0.2µm filters, 3 x coloured nose pieces, wall hanger, and charging stand.

Code

**F151058**





## Meridian Bioscience® cDNA Synthesis Kits

Code	Description	Pack
<b>F14657</b>	SensiFAST™ cDNA synthesis kit	50 reactions
<b>F14659</b>	SensiFAST™ cDNA synthesis kit	250 reactions
<b>F21004</b>	Tetro™ cDNA synthesis kit	30 reactions
<b>F21002</b>	Tetro™ cDNA synthesis kit	100 reactions

## SLS Lab Basics Pipettes



### Single channel:

- Ergonomic design ensuring light weight and soft plunger movement
- Click-stop system for volume selection
- Colour coded for easy identification
- Calibration conforms to EN-ISO 8655 with report enclosed with every pipette

### Multi channel:

- Smooth and light tip loading and ejection
- Leak free sealing of tips
- Manifold is easily removable, fully autoclavable and can rotate 360° for easy right or left hand operation



Code	Channel	Volume Range, µL
<b>F151300</b>	Single	0.1 - 2.5
<b>F151301</b>	Single	0.5 - 10
<b>F151305</b>	Single	2 - 20
<b>F151302</b>	Single	5 - 50
<b>F151303</b>	Single	10 - 100
<b>F151306</b>	Single	20 - 200
<b>F151304</b>	Single	100 - 1000
<b>F151307</b>	Single	500 - 5000
<b>F151308</b>	Single	1000 - 10000
<b>F151313</b>	8	0.5 - 10
<b>F151309</b>	8	5 - 50
<b>F151310</b>	8	10 - 100
<b>F151311</b>	8	20 - 200
<b>F151312</b>	8	30 - 300
<b>F151318</b>	12	0.5 - 10
<b>F151314</b>	12	5 - 50
<b>F151315</b>	12	10 - 100
<b>F151316</b>	12	20 - 200
<b>F151317</b>	12	30 - 300

## SLS Lab Pro Pipettes

3  
YEARS



The SLS Lab Pro pipettes offer superior quality at an affordable price. These are lightweight pipettes with a handle that fits naturally in the hand. A lubricated piston assembly offers very light pipetting forces.

- Adjustable tip ejector button to adapt to both right and left-handed users
- Clip mechanism allows easy and safe removal of tip ejector
- Fully autoclavable



Code	Channel	Volume Range, $\mu$ L
<b>F151284</b>	Single	0.2 - 2
<b>F151285</b>	Single	1 - 10
<b>F151286</b>	Single	2 - 20
<b>F151287</b>	Single	10 - 100
<b>F151288</b>	Single	20 - 200
<b>F151289</b>	Single	100 - 1000
<b>F151290</b>	Single	500 - 5000
<b>F151291</b>	Single	1000 - 10000
<b>F151292</b>	8	0.5 - 10
<b>F151293</b>	8	2 - 20
<b>F151294</b>	8	20 - 200
<b>F151295</b>	8	20 - 300
<b>F151296</b>	12	0.5 - 10
<b>F151297</b>	12	2 - 20
<b>F151298</b>	12	20 - 200
<b>F151299</b>	12	20 - 300

Thermo Scientific™



S1 Pipette Fillers

### Thermo Scientific™ S1 Pipette Fillers

Ergonomically designed and lightweight. Long life, rechargeable battery. Large, backlit LCD display. Separate aspirate and dispense speed controls.

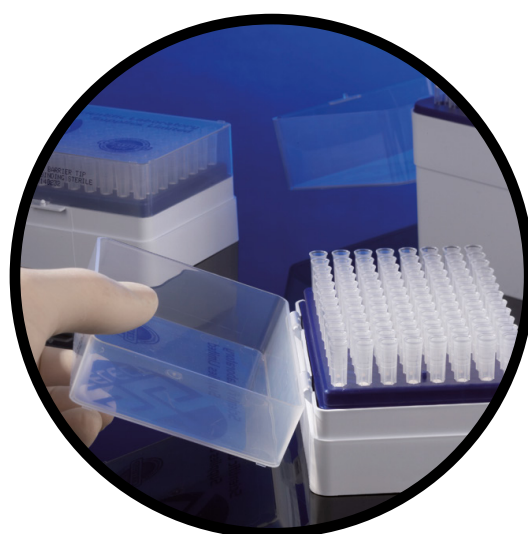
Code	Colour
<b>F21138</b>	White
<b>F21140</b>	Clear
<b>F21142</b>	Blue
<b>F21144</b>	Red
<b>F21146</b>	Green

## SLS Select Filter Pipette Tips



Unique low binding filter tips which feature an inert, hydrophobic barrier that prevents pipette contamination.

- Patented, super-micron barrier prevents pipette contamination
- Barrier will not trap liquid or contaminate samples if over-pipetting
- Reduced barrier thickness allows unrestrained air flow for exceptional accuracy and precision
- Sterile
- Free from DNase, RNase, endotoxins and pyrogens
- Long reach tips avoid the need to insert pipette cone into the sample tube, reducing contamination risk



Code	Volume, $\mu$ L	Pack
<b>F21188</b>	10	10 x 96
<b>F21190</b>	10*	10 x 96
<b>F21192</b>	20	10 x 96
<b>F21198</b>	100	10 x 96
<b>F21202</b>	200	10 x 96
<b>F21206</b>	300	10 x 96
<b>F21208</b>	1000	10 x 100
<b>F21210</b>	1250*	8 x 96

\* Long reach

## SLS Lab Pro Safevac Aspiration System



Designed for laboratory waste recovery and separation of liquid and solid. Can be widely used in cell culture, DNA extraction, microplate waste removal, and any other liquid separation or recovery.

- Sensitive level sensor to prevent liquid overflow during operation
- Waste bottle, tubing and handle are fully autoclavable
- Lid, tubing and handle are easy for disassembling, cleaning and autoclaving
- Supplied with complete range of adapters to fit tips, tubes and microplates



Code	Vacuum Range, mbar	Vacuum Speed, mL/S	Volume, L	Dims, w x d x h, mm
<b>F151283</b>	0 - 600	1 - 15	4	180 x 240 x 450

## SLS Select Media Bottles



Perfect for everyday laboratory use and suitable for many applications, such as storage of culture media. Includes GL45 blue polypropylene cap and pouring ring.

- Made from high quality borosilicate glass 3.3 to ISO 3585
- Heat and chemical resistance
- White graduations and marking spot
- Sloped shoulders for easy pour
- Standards to ISO 4796-1
- Autoclavable



Code	Capacity, mL	Pack
<b>F151342</b>	100	10
<b>F151343</b>	250	10
<b>F151344</b>	500	10
<b>F151345</b>	1000	10
<b>F151346</b>	2000	10
<b>F151347</b>	5000	Each
<b>F151348</b>	10000	Each
<b>F151349</b>	20000	Each

## Corning® Bottle Top Vacuum Filters

CORNING

Bottle top vacuum filters with low liquid retention funnel design. Polyethersulfone (PES) membranes provide the fastest flow rates, the lowest protein binding and low extractables and are best for filtering cell culture media. Cellulose acetate (CA) membranes provide fast flow rates and low protein binding and are good for filtering cell culture media.

- Prefilters must be ordered separately
- Individually packaged, sterile and nonpyrogenic
- Fits plastic or glass media bottles with 45mm neck sizes
- Angled hose connector simplifies vacuum line attachment
- 0.22µm pore size



Code	Membrane	Funnel Capacity, mL	Membrane Dims, cm <sup>2</sup>	Pack
<b>F21046</b>	PES	150	13.6	48
<b>F21048</b>	PES	500	33.2	12
<b>F21050</b>	PES	1000	54.5	12
<b>F21052</b>	CA	150	13.6	48
<b>F21054</b>	CA	500	33.2	12
<b>F21056</b>	CA	1000	54.5	12



## BRAND Dispensette® S Analog-Adjustable Bottle Top Dispensers

Whether you are dispensing solvents, acids, alkalis or saline solutions - the Dispensette® S bottle top dispenser makes it easy, safe and efficient.

- Rapid and safe volume setting with internal scalloped track
- Simple calibration adjustment with a supplied tool
- Minimum operating forces, maximum comfort
- With recirculation valve

### Dispensette® S

- Ideal for dispensing aggressive reagents, including concentrated bases and acids such as  $\text{H}_3\text{PO}_4$ ,  $\text{H}_2\text{SO}_4$  (with certain exceptions such as  $\text{HCl}$ ,  $\text{HNO}_3$ ,  $\text{HF}$ , etc.), saline solutions, as well as many organic solvents
- Colour code: red

Code	Volume, mL	Graduations, mL
<b>F14472</b>	0.1 - 1	0.02
<b>F14478</b>	0.2 - 2	0.05
<b>F14482</b>	0.5 - 5	0.1
<b>F14486</b>	1 - 10	0.2
<b>F14490</b>	2.5 - 25	0.5
<b>F14496</b>	5 - 50	1
<b>F14500</b>	10 - 100	1

### Dispensette® S Organic

- Ideal for dispensing of organic solvents and acids including chlorinated and fluorinated hydrocarbons (e.g., trichlorofluoroethane and dichloromethane), acids like concentrated  $\text{HCl}$  and  $\text{HNO}_3$  (except  $\text{HF}$ ), trifluoroacetic acid (TFA), tetrahydrofuran (THF) and peroxides
- Colour code: yellow

Code	Volume, mL	Graduations, mL
<b>F14504</b>	0.5 - 5	0.1
<b>F14508</b>	1 - 10	0.2
<b>F14512</b>	2.5 - 25	0.5
<b>F14516</b>	5 - 50	1
<b>F14520</b>	10 - 100	1



## Sartorius Entris® II Essential Balances

2  
YEARS

SARTORIUS



Unrivalled value at a budget price, this is the only balance in its class featuring isoCAL, LED touch technology and 12 built in applications with GLP/GMP compliant printout/data output.

- Highly accurate results guaranteed via Monolithic weigh cell technology invented by Sartorius
- Fastest stabilisation time in its class using state of the art weighing sensors
- isoCAL (Internal Calibration & Adjustment) for total assurance of accurate weighing results
- Hybrid screen for excellent readability and use, combines intuitive, wear resistant LED and touch technology



- 12 built in applications with GLP/GMP compliant printout/data output
- USB type C and RS232 9 pin interfaces
- Password protection for secure operation

See the SLS website  
for Sartorius Entris® II  
Advanced Balance offers



Code	Model	Type	Capacity, g	Readability, mg
<b>F19182</b>	BCE124i-1S	Analytical	120	0.1
<b>F19184</b>	BCE224i-1S	Analytical	220	0.1
<b>F19186</b>	BCE64i-1S	Analytical	60	0.1
<b>F19146</b>	BCE223i-1S	Precision	220	1
<b>F19150</b>	BCE323i-1S	Precision	320	1
<b>F19154</b>	BCE423i-1S	Precision	420	1
<b>F19172</b>	BCE623i-1S	Precision	620	1
<b>F19164</b>	BCE622i-1S	Precision	620	10
<b>F19174</b>	BCE653i-1S	Precision	650	1
<b>F19180</b>	BCE822i-1S	Precision	820	10
<b>F19140</b>	BCE1202i-1S	Precision	1200	10
<b>F19144</b>	BCE2202i-1S	Precision	2200	10
<b>F19142</b>	BCE2201i-1S	Precision	2200	100
<b>F19148</b>	BCE3202i-1S	Precision	3200	10
<b>F19152</b>	BCE4202i-1S	Precision	4200	10
<b>F19156</b>	BCE5201i-1S	Precision	5200	100
<b>F19158</b>	BCE6200i-1S	Precision	6200	1
<b>F19162</b>	BCE6202i-1S	Precision	6200	10
<b>F19178</b>	BCE8201i-1S	Precision	8200	100
<b>F19176</b>	BCE8200i-1S	Precision	8200	1000

## SLS Lab Pro A Series Analytical Balances

5  
YEARS



These top-loading analytical balances have a compact footprint. The breeze break has rotary sliding doors that slide behind the balance and can be removed with one touch. These features, combined with the small footprint, make the balances ideal for applications where space is at a premium.

- Compact footprint
- Reverse backlit LCD display for easy to read weighing results
- Statistical calculation function eliminates the need for a stats printer
- Standard RS-232C
- Fast, compact SHS sensor, response time ~2 seconds



Code	Capacity, g	Readability, mg	Calibration
<b>F151338</b>	102	0.1	External
<b>F151336</b>	102	0.1	Internal
<b>F151339</b>	152	0.1	External
<b>F151340</b>	152	0.1	Internal
<b>F151341</b>	252	0.1	External
<b>F151337</b>	252	0.1	Internal

# SARTORIUS

## Save up to 40%

### Pipette Trade-In

How it works:

1. Select Old Pipettes for Trade-in  
Any pipette brand or model will be accepted
2. Order Sartorius Trade-in Pipettes  
Including a saving of up to 40%
3. Free Return Service for Old Pipettes  
(Now includes Picus® 2)



**SCIENTIFIC  
LABORATORY  
SUPPLIES**



Visit the SLS website for more information:  
[scientificlabs.com/PipetteTradeIn](https://scientificlabs.com/PipetteTradeIn)

# SLS Lab Pro SM Series Micro Analytical Balances

5 YEARS



Developed for high end micro weighing with the automatic elimination of static electricity at a competitive price. A built in fanless ioniser eliminates static and a large weighing chamber with interlockable slide doors allows operation with either hand.

- One touch automatic calibration
- Internal data memory function for up to 200 sets of data
- GLP/GMP/GCP/ISO compliant output
- Built-in temperature, humidity, and atmospheric pressure sensors
- RS-232C and Quick USB interfaces as standard
- AD-1688 weighing data logger as standard



Code	Capacity, g	Readability, mg	Pan Dims, mm
F14386	22	0.001	25
F14388	5.1/22	0.001/0.01	25
F14390	250	0.01	90
F14392	220	0.1	90
F14394	320	0.1	90
F14396	520	0.1	90

**Azlon® Heavy Duty Storage Carboy**

Polypropylene with moulded handle. Squat form with moulded graduations. Autoclavable at 121°C.

Code	Capacity, L
F14094	20



## Core Biogenesis FGF-2 Growth Factors

FGF-2 is a growth factor that controls fundamental biological processes and is qualified for different applications including industrial cell-based meat production, cell culture and cell therapy manufacturing.

Code	Description	Pack
<b>F21212</b>	Human	50µg
<b>F21214</b>	Human	1mg
<b>F21216</b>	Bovine	50µg
<b>F21218</b>	Bovine	1mg
<b>F21220</b>	STAB®	50µg
<b>F21222</b>	STAB®	1mg

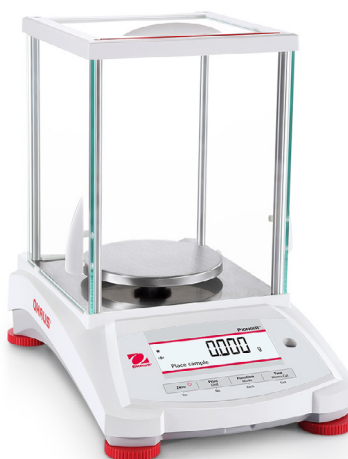
## OHAUS® Pioneer™ PX Precision Balances

2  
YEARS



Combines essential weighing functionality with excellent performance at an affordable price, and is carefully designed for durability and ease of use.

- High accuracy and repeatability for essential weighing applications
- Cast metal lower housing, sub-pan and stainless steel weighing pan
- Durably constructed for versatile, long term use
- 2nd line display for additional information or guidance, a static removal bar for convenient grounding and USB connectivity
- Other features include: RS232 interface, integral weigh below hook, removable stainless steel pan, security bracket, software lockout menus, stability indicator, software overload/underload indicators, user selectable environmental settings, user brightness settings, auto dim, auto tare, user selectable operating language (EN, CN, JP, KR)



This item may incur an additional delivery charge

Code	Model	Capacity, g	Readability, g	Calibration
<b>F19064</b>	PX323/E	320	0.001	External
<b>F19066</b>	PX323	320	0.001	Internal
<b>F19068</b>	PX623/E	620	0.001	External
<b>F19070</b>	PX623	620	0.001	Internal
<b>F19072</b>	PX3202/E	3200	0.01	External
<b>F19074</b>	PX3202	3200	0.01	Internal
<b>F19080</b>	PX4201/E	4200	0.1	External
<b>F19082</b>	PX4201	4200	0.1	Internal
<b>F19076</b>	PX6202/E	6200	0.01	External
<b>F19078</b>	PX6202	6200	0.01	Internal

# OHAUS® Pioneer™ PX Semi-Micro Balances

2  
YEARS



Combines essential weighing functionality with competitive performance, durably constructed for versatile, long-term use. Intuitively designed for intelligent operation and ease of use.

- High accuracy and repeatability for essential weighing applications
- Cast metal lower housing, sub-pan and stainless steel weighing pan
- 2nd line display for additional information or guidance, a static removal bar for convenient grounding, and USB connectivity
- Other features include: RS232 interface, integral weigh below hook, removable stainless steel pan, security bracket, software lockout menus, stability indicator, software overload/underload indicators, user selectable environmental settings, user brightness settings, auto dim, auto tare, user selectable operating language (EN, CN, JP, KR)
- Pan dims: Ø 80mm



This item may incur an additional delivery charge

Code	Model	Capacity, g	Readability, mg	Calibration
F19050	PX125D	52/120	0.01/0.1	Internal
F19052	PX85	82	0.01	Internal
F19054	PX225D	82/220	0.01/0.1	Internal

# OHAUS® Pioneer™ PX Analytical Balances

2  
YEARS



Combines essential weighing functionality with excellent performance, and is carefully designed for durability and ease of use.

- High accuracy and repeatability for essential weighing applications
- Cast metal lower housing, sub-pan and stainless steel weighing pan
- Other features include: RS232 interface, integral weigh below hook, removable stainless steel pan, security bracket, software lockout menus, stability indicator, software overload/underload indicators, user selectable environmental settings, user brightness settings, auto dim, auto tare, user selectable operating languages
- 2nd line display, a static removal bar for convenient grounding, and USB connectivity
- Pan dims: Ø 90mm



This item may incur an additional delivery charge

Code	Model	Capacity, g	Readability, mg	Calibration
F19056	PX124/E	120	0.1	External
F19058	PX124	120	0.1	Internal
F19060	PX224/E	220	0.1	External
F19062	PX224	220	0.1	Internal



## Thermo Scientific™ Medifuge™ Centrifuge Package

2  
YEARS

**Thermo**  
SCIENTIFIC

With the Medifuge small benchtop centrifuge, you can program up to 4 sets of custom run parameters to easily and quickly perform your routine protocols. The innovative DualSpin lightweight 8-place rotor features a unique hybrid design with interchangeable fixed angle and swinging buckets, and is able to accommodate 1.4mL to 15mL tubes with two spacer options. Run common clinical IVD blood tubes, gel tubes, 10mL standard syringes and 15mL conical tubes. Conforms to the latest clinical and safety standards, such as UL, CE and IVD.

- Package includes:
- Medifuge™ small benchtop centrifuge
  - DualSpin rotor body
  - 8 x fixed angle buckets
  - 8 x swinging buckets
  - 8 x green/short spacers
  - 8 x yellow/long spacers



Code	Speed Range, RPM	Timer	Display	Dims, w x d x h, mm
<b>F20038</b>	300 to 4900	1 to 99mins	LCD	325 x 450 x 240

## OHAUS® Frontier™ FC5513 Microcentrifuges

2  
YEARS

**OHAUS**

Frontier™ microcentrifuges deliver high-speed operation for a range of essential lab applications. Engineered with convenient operation in mind, it features a uniquely designed splash-proof front panel with touch-wheel control on an intuitive interface. The compact design saves valuable bench space in the lab.

- Convenient interface shows both set and actual parameters
- 10 acceleration/deceleration settings
- 99 memory sets to quickly store and recall commonly used parameters
- Pre-cool feature in FC5513R quickly lowers the temperature of rotor and chamber before a run
- Rotor imbalance sensing systems stop the unit when it detects an imbalanced load
- Lid-locking system prevents centrifuge from opening during operation (FC5513R)



This item may incur an additional delivery charge

Code	Description	Speed Range, RPM	Max RCF, xg	Refrigeration Range, °C
<b>F16118</b>	FC5513	200 - 13500	17317	—
<b>F16120</b>	FC5513 with angle rotor for 24 x 1.5/2.0mL BIOSEALS	200 - 13500	17317	—
<b>F21086</b>	FC5513R refrigerated	200 - 14500	17157	-20 to - 40

# Benchmark myFuge™ 12 Plus Digital Mini Centrifuge

2  
YEARS

Benchmark  
Scientific

Features a large digital display with adjustable speed (up to 7000 RPM), a digital timer, and built in RCF conversion. The unique rotor design allows for simultaneous centrifugation of up to 12 microtubes and/or 4 PCR strips.

- COMBI-Rotor for tubes and strips
- Twice the capacity of traditional mini centrifuges
- Near silent operation
- Timer up to 99 mins



Code	Max Speed, RPM	Max RCF, xg	Dims, w x d x h, mm
F21020	7000	2739	194 x 240 x 120

# Benchmark myFuge™ Mini Centrifuge

2  
YEARS

Benchmark  
Scientific

A personal centrifuge, ideal for quick spin downs of microtubes and PCR tubes. Simply close the lid and the rotor instantly reaches 6000 RPM, open the lid, and the rotor quickly decelerates to a stop for removing samples.

- Klik-N-Lok™ INSTANT rotor attachment
- Storage compartment rotors and adapters
- Near silent operation
- Decelerates in just one second
- Red lid
- Supplied with 8-position microtube rotor and 4-position PCR strip rotor



Code	Max Speed, RPM	Max RCF, xg	Dims, mm
F21018	6000	2000	145 x 178 x 114

## Thermo Scientific™ Nunc™ Conical Centrifuge Tubes



Premium, high-quality conical tubes that are environmentally friendly, offer the highest cleanliness with a recyclable plastic rack and allow for increased traceability with a large writing area. Made from high-purity resins and moulded using state-of-the-art processes; safe alternative to glass without sacrificing accuracy.



- Leak-proof to protect your samples
- Racked product includes environmentally friendly recyclable plastic rack that reduces landfill waste compared to the traditional foam packaging
- Plug sealed cap
- Biologically inert, non-pyrogenic, non-cytotoxic
- High level of sterility: SAL 10<sup>-6</sup>, RNase/DNase-free



Code	Capacity, mL	Max RCF, xg	Packaging	Pack
<b>F21112</b>	15	10500	Bulk	500 (10 bags of 50)
<b>F21118</b>	15	10500	Racked	500 (20 racks of 25)
<b>F21120</b>	50	17000	Bulk	500 (20 bags of 25)
<b>F21122</b>	50	17000	Racked	300 (12 racks of 25)



### Corning® LSE™ Mini Microcentrifuge



Fixed speed of 6000RPM (2000xg), designed for quick spin downs of micro-samples. Accommodates up to 8 microcentrifuge tubes or 4 PCR strip tubes. Smaller 0.2, 0.25, and 0.5mL tubes can also be processed by using the included tube adapters.

Code	Dims, w x d x h, mm
<b>F151061</b>	148 x 174 x 122



## Corning® Cell Strainers

CORNING

A sterile, easy-to-use device for rapidly isolating primary cells to consistently obtain a uniform single-cell suspension from tissues. Applications include stem cells and primary cells.

- Strong nylon mesh with evenly spaced mesh pores for consistent and reliable results
- Extended lip on strainer enables aseptic handling with forceps
- Moulded colour-coded polypropylene frame with tab enables easy handling and identification
- Fits all major brands of 50mL conical tube
- Disposable, easy-to-use, inexpensive, maintains sample integrity
- Sterilised by gamma irradiation, noncytotoxic



Supplied in packs of 50, individually packed

Code	Colour Code	Pore Size, $\mu\text{m}$
<b>F21030</b>	Blue	40
<b>F21032</b>	White	70
<b>F21034</b>	Yellow	100

## Accuris QuadCount™ Automated Cell Counter

2 YEARS

Benchmark Scientific

The Accuris QuadCount™ improves on the simple technique of brightfield microscopy by utilising an LED light source, precision optics and a high resolution CMOS detector. A finely tuned, motorised XYZ positioning stage provides for extra fine focusing and ability to capture multiple images. The advanced software eliminates human bias in dead/live determinations, reduces counting errors, saves time, and improves efficiency. The QuadCount™ utilises a unique 4-chambered disposable QuadSlide™, four samples can be processed in one slide.

3 count modes available to analyse different sample volumes:

- Quick mode: 0.15 $\mu\text{L}$  / 20 seconds (1 image frame)
- Normal mode: 0.9 $\mu\text{L}$  / 30 seconds (6 image frames)
- Precise mode: 3.6 $\mu\text{L}$  / 100 seconds (24 image frames)



Code	Dims, l x w x h, mm	Weight, kg
<b>F16192</b>	163 x 293 x 216	5



## Cole-Parmer® HP-200D-XL-S Digital Hot Plate

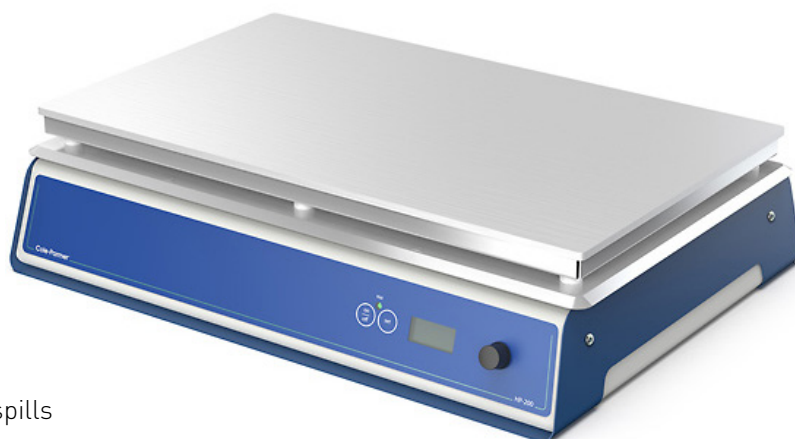
3  
YEARS

Cole-Parmer®



Microprocessor control allows for accurate plate temperature monitoring. The housing is shaped for stability deflecting spills away from the user. The "Hot" warning light will flash whenever the plate temperature is above 50°C. An independent safety circuit protects against overheating and internal electronic components are protected against corrosion.

- Push buttons and dial setting for fast temperature changes and simple control
- Large plate area accommodates one large vessel or several smaller ones
- BioCote® antimicrobial protection is built in for a cleaner, more hygienic product
- Housing is shaped for stability deflecting spills away from the user



Code	Plate Material	Max Temp, °C	Plate Dims w x l, mm
F19234	Al/Si metal alloy	300	500 x 300



There's nothing  
standard about our  
Reference Standards!

Choose from our range of Standards & Certified Reference Materials  
accredited to ISO 9001, ISO/IEC 17025 and ISO 17034



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Mikromol™

Industrial  
VHG

Industrial  
Paragon Scientific

gtrc

## IKA Lab Dancer Vortex Mixer

2  
YEARS

IKA®

Small, compact and reliable test tube shaker with a touch function, designed for mixing small sample tubes up to 30mm diameter.

- Fixed speed
- Includes light 12V power pack set
- Upper casing and the test tube surface are made from inert plastic, bottom section is a coated, zinc die-casting
- Protection class IP40



Code	Speed, RPM	Orbit, mm	Dims, w x d x h, mm
<b>F19196</b>	2800 (fixed)	4.5	100 x 100 x 70

## IKA MINISTAR 40 Digital Overhead Stirrer

L

IKA®

Easy-to-use stirrers with perfect basic functionalities, as well as with a compact design, combining high performance with particular excellence, they require minimum space and come with a lifetime guarantee.

- Compact design
- Constant torque over the entire RPM range
- Operation takes place using a stable rotary knob
- Display clearly shows the rotational speed
- Software updates can be undertaken rapidly and simply via the USB interface
- Supplied with R 300 shaft protector, 2 x fasten screws for R 300, and chuck key



Code	Max Viscosity, mPas	Speed Range, RPM	Max Torque at Stirrer Shaft, Ncm	Dims, w x d x h, mm
<b>F21016</b>	30000	50 - 1000	40	70 x 147 x 193



## Thermo Scientific™ Solaris™ Open Air Orbital Shakers

5 YEARS

**Thermo**  
SCIENTIFIC

Ruggedly built for demanding applications in busy research and GMP labs and even strictly controlled cleanroom facilities. Combines ergonomic design with features such as a sealed electronic system, programmable display, and an easy to clean platform designed to aid in better contamination control.

- Variable speed control from 15 to 525 RPM with a 1" orbit
- Operating temperature range of 5 to 40°C, 20 to 80% non-condensing humidity
- Reliable drive mechanism provides timed or continuous 24 hour operation
- Full-colour touchscreen display, programmable with up to 99 unique programs
- Historical monitoring of alerts, alarms and interaction logs
- USB and ethernet connections for monitoring and data output
- Maintenance-free belt engineered to last the life of the shaker
- Warranty: 2 years labour, 5 years parts, and 10 years drive mechanism
- Supplied with clamp kit



Code	Model	Max Load, kg	Dims, w x d x h, mm	Platform Dims, mm
<b>F21148</b>	SK2000	25	364 x 469 x 252	305 x 356
<b>F21150</b>	SK4000	43	573 x 648 x 177	457 x 762

## Cole-Parmer® SH-200D-O-L Orbital Shaker

3 YEARS

**Cole-Parmer®**



Orbital shaker providing a smooth, uniform circular motion with a 16mm orbit. Complete with a cradle system to comfortably hold flasks. The cradle type platform has four rubber cushioned horizontal securing bars with quick release handles. They can be easily adjusted both vertically and horizontally to hold most sizes and types of vessel, including flasks, bottles and beakers. For example, they will accommodate the following Erlenmeyer flasks or bottles: 12 x 250mL or 9 x 500mL or 4 x 1000mL or 2 x 2000mL.



- Maintain consistent shaking speeds, even over long periods of time
- Smooth orbital shaking action ideal for larger samples and multiwell plates
- Built-in digital timer and variable speed control
- Use in incubators, and environmental or cold chambers up to 40°C and 80% humidity



Code	Orbit, mm	Speed Range, RPM	Max Load, kg	Platform Dims, mm	Dims, w x d x h, mm
<b>F21136</b>	16	30 - 300	10	335 x 335	360 x 420 x 270

## OHAUS® Endeavor™ 5000 Orbital Shakers



Digital light duty orbital shakers you can trust for everyday shaking. All models can be used in incubators and cold rooms. Stable, accurate, long-term shaking is ensured with the triple eccentric drive and maintenance-free brushless DC motor. Integrated overload and unbalanced detection to protect samples.

- Simple on-board menu to set, store, and recall multi-step programs
- Remote function permits PC control and data transfer, RS232 interface provides 2-way communication for data logging and unit control
- Bright, backlit LCD display for speed and time
- Simple knob control for timer and shaking
- Tray with attachment points for flask clamps, tube racks and non-slip rubber mat included
- Visual and audio alarm when timer counts down to zero or an error occurs
- Small footprint



This item may incur an additional delivery charge

Code	Model	Capacity	Orbit, mm	Speed Range, RPM	Platform Dims, mm
<b>F21250</b>	e-E51LD0403	4kg, up to 3 x 1L flasks	3	100 - 800	300 x 222
<b>F21252</b>	e-E51LD0420	4kg, up to 3 x 1L flasks	20	50 - 300	300 x 222
<b>F21254</b>	e-E51LDMP03	4 microplates or 2 micro-tube racks	3	100 - 1200	280 x 197

## IKA® RW 20 Digital Overhead Stirrer



Overhead stirrer with digital LED display, and a robust, slimline, ergonomic design.

- Constant power drive
- Two speed ranges for universal use
- Push through agitator shafts (only when stationary)
- For stirring quantities of up to 20L (H<sub>2</sub>O)
- Supplied with chuck key



Code	Max Viscosity, mPas	Speed Range, RPM	Max Torque at Stirrer Shaft, Ncm	Dims, w x d x h, mm
<b>F21014</b>	10000	60 - 2000	150	88 x 212 x 294

## Corning® Axygen® Microtube Shaker

1  
YEAR



A benchtop shaking incubator allowing uniform heating, cooling, and mixing of precious life science samples. The compact footprint incorporates an intuitive control panel which allows the operator to easily program the device and view the live temperature, time, and mixing speed settings throughout the experiment.

- Constant mixing
- Precise temperature control for heating and cooling
- Programmable
- Three-point temperature calibration
- Calibration mode ensuring accurate temperatures within  $\pm 0.5^{\circ}\text{C}$  after every block exchange
- Safe for cold room use



Code	Speed Range, RPM	Orbit, mm	Temp Range, $^{\circ}\text{C}$	Dims, w x d x h, mm
<b>F21232</b>	200 - 1500	3	15 below ambient to 100	200 x 235 x 120

### Aluminium Blocks

Code	Capacity
<b>F21234</b>	24 x 0.5mL tubes
<b>F21236</b>	24 x 1.5mL cone bottom tubes
<b>F21238</b>	24 x 2mL round bottom tubes
<b>F21058</b>	8 x 5mL tubes
<b>F21060</b>	8 x 5mL cone bottom tubes
<b>F21062</b>	8 x 15mL tubes
<b>F21064</b>	4 x 50mL tubes
<b>F21066</b>	0.2mL/96 well PCR plate
<b>F21068</b>	96/384 well microplate



## Corning® LSE™ Vortex Mixer

Fast, efficient mixing with touch and continuous modes. Powerful, counter-balanced motor drive. Includes cup head for all standard microtubes and centrifuge tubes.

Code	Speed Range, RPM
<b>F21072</b>	0 - 3400



## KNF Laboport® Vacuum Pump Systems

2 YEARS



Chemically-resistant vacuum pump systems comprising chemically resistant diaphragm vacuum pump, base plate, separator on suction side, high performance condenser on pressure side and vacuum controller.

- Automatic, accurate recognition and monitoring of the boiling point using the integrated ramp function
- High recovery rates even with low boiling point solvents
- Remote-controlled
- ATEX compliant to (Ex) II 3/-G Ex h IIB+H2 T3 Gc internal atmosphere only
- Easy, intuitive control
- Four operating modes
- Ultimate vacuum: 6 mbar



Code	Model	Max Flow Rate, L/min	Dims, w x d x h, mm
<b>F21128</b>	SC 820 G	20	347 x 260 x 416
<b>F21130</b>	SC 840 G	34	366 x 274 x 416

## IKA RV 3 pro Rotary Evaporator Packages

2 YEARS



The complete solution for your rotary evaporator setup. The RV 3 rotary evaporator is the ideal entry-level model of the IKA rotary evaporator portfolio. Thanks to specially designed glass guides, the condenser makes extremely efficient use of the 1600cm<sup>2</sup> cooling surface. The package includes the HB eco heating bath with a capacity of 4L, vertical glass condenser set with 1L receiver and evaporator flask, VACSTAR digital vacuum pump with VC 10 lite vacuum controller and the RC 2 lite recirculating chiller. All components and connections required for operation are included.

### Contents:

- RV 3 FLEX
- RV 10.1 glassware vertical (F20028) or RV 10.10 glassware vertical, coated (F21008)
- VC 10 lite vacuum controller
- VACSTAR digital vacuum pump
- VC 10.500 stand pole
- RC 2 lite recirculating chiller
- RV 10.5005 set of hoses
- PC 1.3 cable



Code	Description
<b>F20028</b>	RV 3 pro V complete package
<b>F21008</b>	RV 3 pro V-C complete package



## SLS Lab Pro Personal Autoclaves



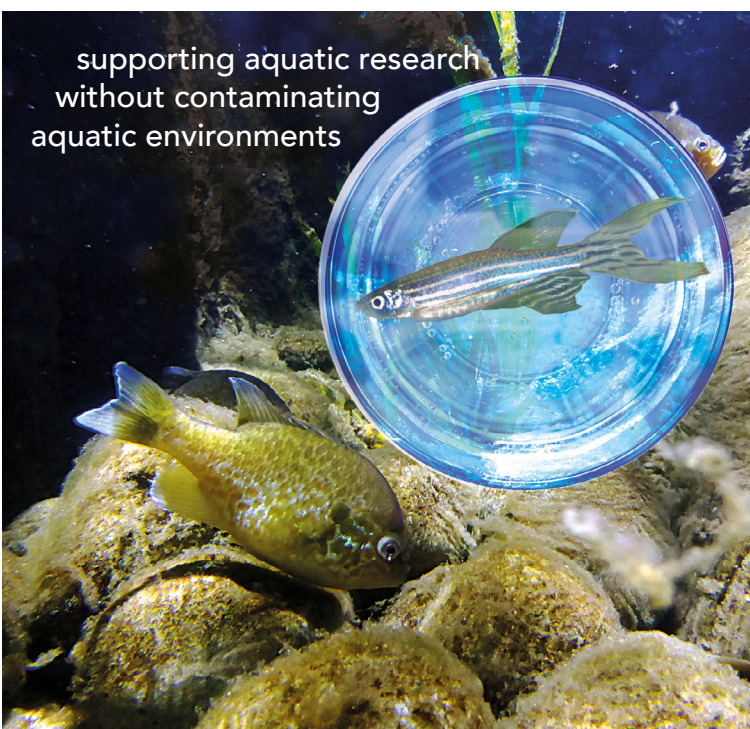
Ideal for general laboratory use. They can be used for sterilising media (F21228), glassware and instruments. These autoclaves are easy to operate with simple one touch operation and fast cycle times. There is a choice of models with either 9L or 12L capacities and sterilising temperatures ranging from 121°C to 134°C. F21228 is designed with additional safety features for sterilising media.

- Lightweight and portable
- Simple one touch operation
- Available in 9L or 12L capacities



Code	Description	Max Temp, °C	Capacity, L	Chamber Dims, Ø x d, mm
<b>F21224</b>	Standard autoclave	126	9	210 x 230
<b>F21226</b>	Autoclave with gauges	126	12	210 x 270
<b>F21228</b>	Media autoclave	121	12	210 x 270
<b>F21230</b>	Autoclave with printer	134	9	210 x 230

supporting aquatic research  
without contaminating  
aquatic environments



### Validatable CL2 & CL3 wastewater sterilisation without harmful chemicals

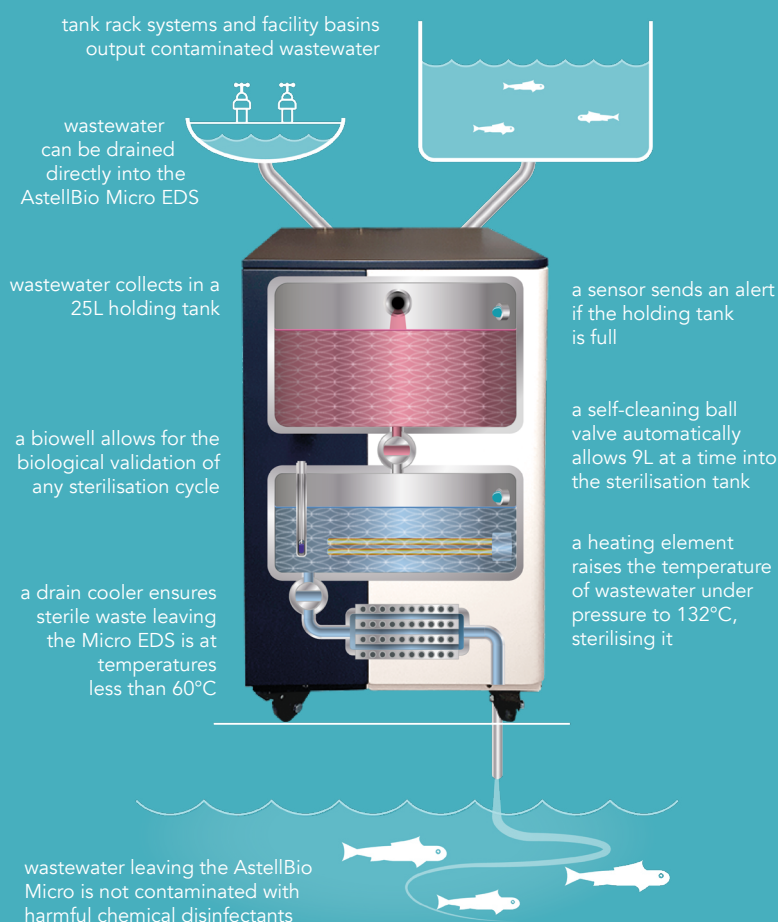
AstellBio produce a range of liquid waste autoclaves and effluent decontamination systems that sterilise wastewater using only heat. This avoids polluting drain water with harmful decontaminants, which may damage aquatic life if they enter waterways.



AstellBio

### managing wastewater in containment level 2 & 3 aquatics facilities

Aquatics facilities working with pathogens and genetically modified materials in hazard groups 2 and 3 are required to sterilise contaminated wastewater.





## Asecos Q-LINE Q-CLASSIC 90 Safety Storage Cabinet

10  
YEARS

asecos®

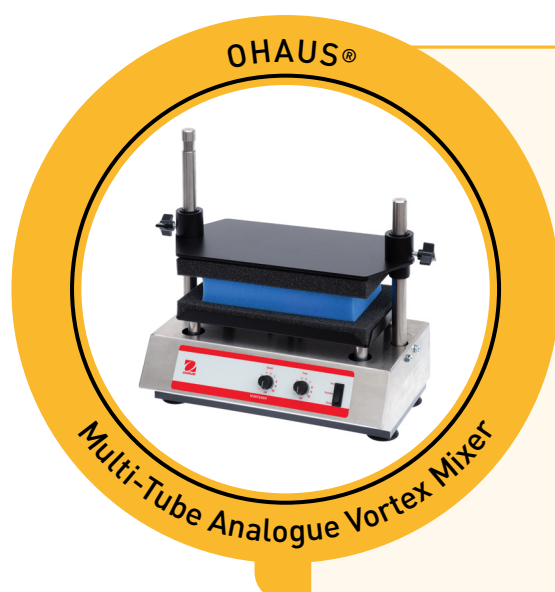


Safety storage cabinet for unrestricted storage of flammable hazardous materials in work areas. Extremely robust design with scratch-proof surface, triple hinged door for extreme strain. Doors stay in place at any opening angle for a more convenient handling of containers. Integrated transport base for simple inhouse transport, cabinet can be transported upright through doors.

- Type 90 safety storage cabinet
- Free standing unit with wing doors
- With cylinder locking and locking state indicator
- Integrated adjusting aids to compensate uneven floor
- Type tested in accordance with EN 14470-1, DIN EN 16121/16122, GS certified, CE compliant
- Body colour anthracite grey (RAL 7016), with wing doors in warning yellow (RAL 1004), shelves, insert and sump light grey (RAL 7035)
- Interior equipment with : 3 x shelf (load capacity: 75kg, powder-coated sheet steel), 1 x perforated insert (load capacity: 75kg, powder-coated sheet steel), 1 x bottom collecting sump, capacity: 33L, powder-coated sheet steel)
- Includes delivery service to point of use, where the cabinet is delivered to where it is required, it is levelled and the packaging removed (site survey required)



Code	Ext Dims, w x d x h, mm	Int Dims, w x d x h, mm
<b>F21242</b>	1193 x 615 x 1953	1050 x 522 x 1647



### OHAUS® Multi-Tube Analogue Vortex Mixer

Ideal for hands-free, high-throughput sample processing. Interchangeable foam racks available. Supplied with detachable 3-wire cord and plug, and foam rack for 50 x 12mm diameter tubes.

Code	Orbit, mm	Speed Range, RPM	Dims, w x d x h, mm
<b>F16110</b>	3.6	1200 - 2400	384 x 241 x 406

## Thermo Scientific™ Nunc™ EasYDish™ Dishes



Polystyrene cell culture dishes that improve handling, stacking and transporting of cell cultures in your lab. The bevelled grip ring is easy to hold and stays secure in your gloved hand. Proprietary notch design maximises ventilation, restricts lid movement, and increases the strength of the dish.

- Nunclon Delta surface treatment to maximise adhesion for majority of cell types
- Raised outer edge on dish lid allows stable stacking during transportation of cell cultures
- Orientation marks on dish bottom and writing area
- RNase/DNase free, human DNA free, non-cytotoxic, non-pyrogenic
- Sterility: gamma irradiation to SAL of  $10^{-6}$



Code	Dims, h x Ø, mm	Pack
<b>F21090</b>	35 x 13	500
<b>F21092</b>	60 x 16	280
<b>F21094</b>	150 x 21	80

## Thermo Scientific™ Nunc™ EasYFlask™ Cell Culture Flasks



Ergonomically designed polystyrene flasks with angled neck and wide opening to allow easy access to the growth surface by pipettes or cell scrapers. Low profile to maximises incubator space.

- Nunclon Delta surface treatment to maximise adhesion for majority of cell types
- Ergonomic design with a 1/3 turn to open and close the cap
- Volume graduations printed and moulded on both sides
- Slightly angled side walls for complete viewing under a microscope
- Sterilised by gamma irradiation and certified nonpyrogenic
- Solid closures featuring a “Y” mark that allows visual verification of vent position



Code	Growth Area, cm <sup>2</sup>	Pack
<b>F21096</b>	25	200
<b>F21098</b>	75	100
<b>F21100</b>	175	30
<b>F21104</b>	225	30

Ziath DP5 Mirage Package

Package includes:

- Ziath DP5 Mirage standalone with cryoprotection and DP5 standard - can scan all commonly used racks in the SBS format, innovative scanning technology scans acoustic tube racks in seconds (i.e. AcoustiX), low profile, delivered pre-calibrated and ready to scan
- Ziath DP5 side barcode reader for Mirage
- IntelliXcap™ semi-automated handheld screw cap decapper - portable and lightweight, capable of capping a single column of eight screw caps in under four seconds, offers consistent sealing
- FreezerPro sample inventory management system 3 months free trial - scalable, web-based sample inventory management system, for secure management of samples and sample information



Code

F21244

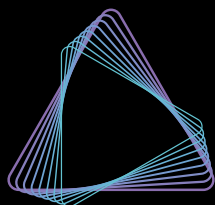
Single Tube Reader Packages

Packages include:

- Single tube reader - high-performance, easy-to-use, portable reader developed with broad compatibility in mind, USB "Plug and Play" large window for all 2D data matrix labelled tubes and 1D linear barcodes, with fast set-up, mobile decoding and direct data export to any application
- FluidX™ tri-coded tubes with external thread - for unequalled sample audit traceability; each tube has a 2D code on the base, and a 1D linear barcode and human-readable number on the side
- CoolCell® cell freezing container - for controlled-rate alcohol-free cell freezing providing a highly reproducible -1°C/minute freezing rate when placed in a -80°C freezer, with no alcohol or fluids required
- TruCool™ hinged cryoboxes - 2", 81 place cryoboxes with hinged lids with drain holes for use in vapor phase LN<sub>2</sub>



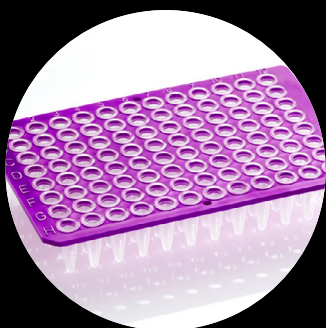
Code	Contains
F21246	Single tube reader, 960 x 1.0mL tri-coded tubes (capped, bulk), CoolCell® 1mL FX cell freezing container for 12 x 1mL 96 format sample tubes, 5 x TruCool™ cryoboxes
F21248	Single tube reader, 480 x 1.9mL tri-coded tubes (capped, bulk), CoolCell® LX cell freezing container for 12 x 1/2mL cryotubes, 5 x TruCool™ cryoboxes



**AZENTA**  
LIFE SCIENCES

# YOUR NEW PARTNER FOR PLATES, TUBES, & INSTRUMENTS

- FluidX Sample Tubes & Instruments
- Ziath Tube & Rack Code Reading Systems
- 4titude PCR & Microplate Solutions
- Sample Cooling & Heating Labware



FrameStar Two-Component  
PCR Plates



Dual- and Tri-Coded  
Sample Tubes



Tube and Rack  
Reading Systems



Semi-Automated Handheld  
Capper/De-Capper



Hinged  
CryoBoxes

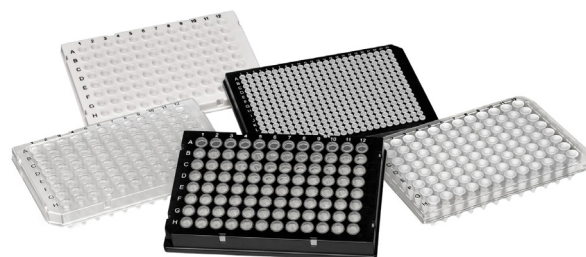
UP TO  
**20% OFF**  
EXCLUSIVE  
BUNDLE  
OFFERS!

## SLS Lab Pro PCR Plates



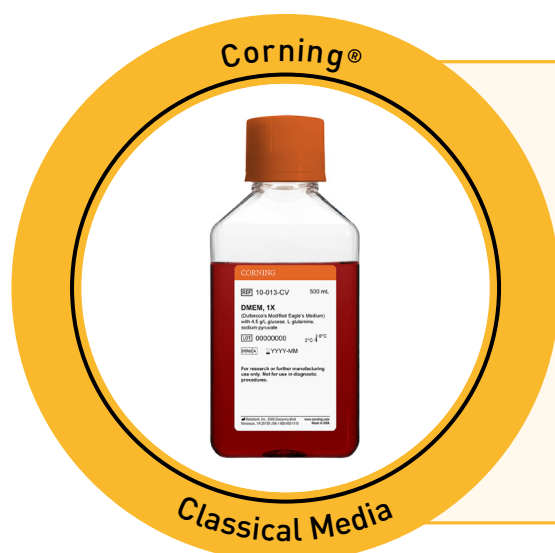
Two component design helps prevent evaporation due to compromised seal integrity common with one component PCR plates. The individual polypropylene wells are set into a rigid polycarbonate frame.

- Thin-walled reaction tubes made from 100% virgin medical grade polypropylene
- Ultra-rigid polycarbonate frames provide full compatibility with automated systems



Supplied in packs of 50

Code	Description	No. of Wells	Well Volume, $\mu$ L	Colour
<b>F18260</b>	Fully skirted, low profile	96	200	Black frame, clear wells
<b>F18262</b>	Fully skirted, low profile	96	200	Black frame, white wells
<b>F18264</b>	Fully skirted, low profile, high sensitivity wells	96	200	Black frame, white wells
<b>F18266</b>	Fully skirted, low profile	96	200	White frame, clear wells
<b>F18268</b>	Fully skirted, low profile	96	200	White frame, white wells
<b>F18270</b>	Fully skirted, low profile, high sensitivity wells	96	200	White frame, white wells
<b>F18272</b>	Semi-skirted, Roche, low profile	96	200	Clear frame, clear wells
<b>F18274</b>	Semi-skirted, Roche, low profile	96	200	Clear frame, white wells
<b>F18276</b>	Semi-skirted, Roche, low profile	96	200	White frame, white wells
<b>F18278</b>	Semi-skirted, Roche, low profile, high sensitivity wells	96	200	White frame, white wells
<b>F18280</b>	Semi-skirted, universal, standard profile	96	300	Clear frame, clear wells
<b>F18282</b>	Semi-skirted, universal, standard profile	96	300	Clear frame, white wells
<b>F18284</b>	Semi-skirted, universal, standard profile, high sensitivity wells	96	300	Clear frame, white wells
<b>F18286</b>	Semi-skirted, ABI, standard profile	96	300	Clear frame, clear wells
<b>F18288</b>	Semi-skirted, ABI, standard profile	96	300	Clear frame, white wells
<b>F18290</b>	Fully skirted	384	0.45	Black frame, clear wells
<b>F18292</b>	Fully skirted	384	0.45	Black frame, white wells
<b>F18294</b>	Fully skirted, Roche	384	0.45	White frame, white wells



## Corning® Classical Media

Supplied as 6 x 500mL

Code	Description
<b>F16132</b>	DMEM 4.5g/L glucose with L-glutamine and sodium pyruvate
<b>F16150</b>	RPMI 1640 with L-glutamine



## ClearLine® DNA Workstations

ClearLine®

Work with PCR and other molecular biology techniques often requires a contamination-free workplace. The UV source, controlled by a timer, denatures unwanted DNA on reagents as well as pipetting and laboratory aids in 5 to 30 minutes. The up to 8mm thick glass walls also provide safe protection against UV and isotope radiation such as  $^{32}\text{P}$ .

The UV/air-cleaner continuously circulates air at  $14\text{m}^3/\text{hr}$  directly past a covered UV lamp (254nm).

The direct-radiation UV lamp can also be used to decontaminate the work surface and tools.

- Lower part of the windscreen can be locked in three positions
- All side parts made of glass, therefore no acrylic breakage due to UV light
- No restriction on the use of cleaning agents
- Easy-to-clean stainless steel work surface



Code	Internal Power Sockets	Dims, w x d x h, mm
<b>F17222</b>	1	700 x 580 x 555
<b>F21240</b>	3	1250 x 600 x 590

## Accuris SmartReader™ UV-Vis Microplate Absorbance Reader

2 YEARS

Benchmark Scientific

Designed with ease-of-use and fast results in mind. This instrument brings extensive capabilities to the lab bench and is designed for the busy lab with multiple users.

The large touch screen command centre is extremely user-friendly and allows for fast set up of new protocols, as well as modifying and running existing protocols.

- Intuitive, 10-inch colour touch screen control panel
- Accepts both 96 and 384 well plates
- Monochromator-based system
- No filters required
- Wavelength range from 200 - 1000nm
- Stand-alone design
- No PC or special software required
- USB port for flash drive data transfer



Code	Temp Range, °C	Wavelength Range, nm
<b>F18012</b>	5 - 45	200 - 1000

# Biochrom Ultrospec 35c Colorimeter

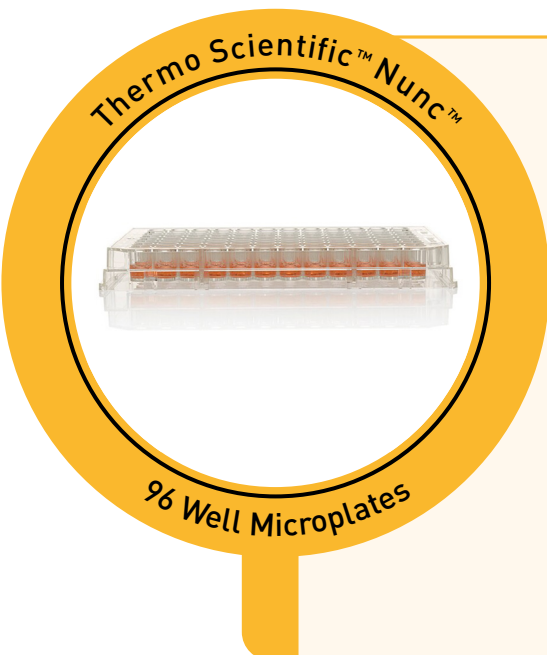


A compact, portable, flexible colorimeter, which measures the absorbance/ transmission of liquid samples in either a cuvette or test tube at fixed wavelengths to determine molecular concentration. Perfect in the lab or for field based work, in industry, environmental studies or remote locations where simple colorimetric testing is paramount.

- Measures samples in absorbance and % Transmission modes as well as having simple kinetics functionality
- Robust LED light source - user-selectable wavelengths: 450, 500, 520, 540, 600 and 640nm
- 4.3" colour touchscreen display for easy workflow
- Data can be exported to a USB flash drive as csv
- Versatile and portable with a small footprint
- Operated as a handheld battery powered unit or connected to mains power
- Easy to clean and requires very minimal maintenance



Code	Wavelength Range, nm	Light Source	Spectral Bandwidth, nm	Dims, w x d x h, mm
F21180	450 - 640	LED	40	170 x 210 x 50



## Thermo Scientific™ Nunc™ 96 Well Microplates

Clear polystyrene with flat bottom and lid.  
Sterile. Nunclon Delta cell culture treated surface.

Supplied in packs of 50

Code	Description
F21108	MicroWell™ - optimised for robotics, automated readers and liquid handling systems
F21110	Edge™ - prevents evaporation with a built-in moat to yield consistent, viable cells

## Uvitec Alliance Q9 Atom Supreme™ Package



Maximum performance, minimum weight. Equipped with Uvitec's flagship Q9-Series™ camera, the Alliance Q9 Atom Supreme™ offers the same performance, sensitivity and signal detection capabilities as any other Q9™ chemi-imager, yet with much smaller footprint and half the weight. A lightweight, cost-effective yet upgradeable documentation system ideal for highly-demanding chemiluminescence blotting and UV fluorescence gels, with upgradeable possibilities in epi fluorescence western blotting.

- Auto-exposure gives ideal exposure time, for every sample
- Mobile sample tray for painless westerns imaging
- All-in-one - acquisition - editing - analysis, straight away
- Motorised optics for effortless acquisition process
- 9.2 megapixels - massive resolution for truly HD pictures
- f/0.80 custom lens - unrivalled camera sensitivity
- -60°C camera cooling - exceptional signal/noise ratio
- 65535 grey levels - research-level protein quantification
- Q-smart darkroom concept - brand-new Alliance™ design
- 7-position filter wheel - up to 6 filters installed

Package includes:

- Alliance Q9 Atom Supreme™
- Epifluorescence: 6 channels including 3 ChromaPure™ module capsules IR-780, IR-690, Blue-460nm and 3 Biopanel channels Red-650 Green-520nm, Blue-420
- 6 emission filters: F-850 M58 narrow bandpass filter - hard coating OD6, F-750 M58 narrow bandpass filter - hard coating OD6, F-700 M58 narrow bandpass filter - hard coating OD6, F-590 M58 UV filter, F-550 M58 narrow bandpass filter - hard coating OD6, and F-Y580 M58 bandpass emission filter - green
- Transilluminator: BXT-20.M V1 312nm 20 x 20cm
- Power cord

**This item may incur an additional delivery charge**

**Code**

**F21256**



# Cole-Parmer® Jenway® 630 501 Visible Scanning Spectrophotometer



Cole-Parmer®



Suited to a wide range of applications in education, quality control, environmental and clinical analysis.

- Absorbance, %T, and concentration modes
- Analogue and RS-232 outputs let you interface with printers and PCs
- LCD display
- Multi-parameter display with wavelength and photometric readouts
- Wide range of sampling accessories
- Supplied with mains lead, pack of 100 disposable cuvettes, 10 x 10mm cell holder, interface cable, and PC application software



Code	Light Source	Wavelength Range, nm	Spectral Bandwidth, nm
<b>F20060</b>	Tungsten	320 - 1000	8

## Are we on your wavelength?



Cole-Parmer Jenway 72 Spectrophotometer



Cole-Parmer Jenway 7310 Spectrophotometer



Cole-Parmer Jenway 6300 Spectrophotometer



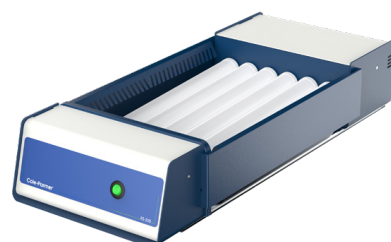
Cole-Parmer Jenway 76 Spectrophotometer



Cole-Parmer Undergrad SH-200D Analog Hotplate Stirrer



Cole-Parmer V-200 Vortex Mixer



Cole-Parmer RS-200 Roller

**Consolidating market leading legacy brands into a single world-class brand - Cole-Parmer®**

Jenway® stuart® electrothermal® TECHNE PCRmax® → **Cole-Parmer®**

## Accuris SmartDrop™ X Nano Spectrophotometer

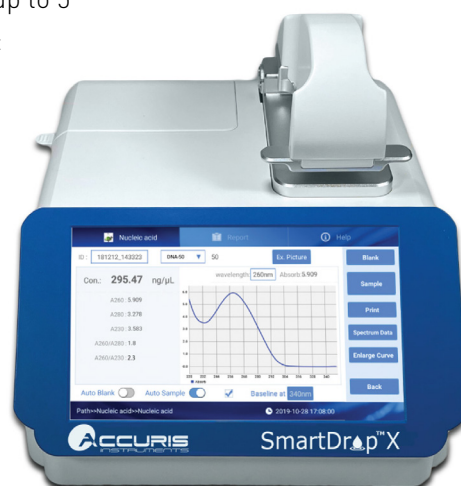
2  
YEARS

Benchmark  
Scientific

Requires only 0.5 to 2.0µL of sample, utilising a small sample volume eliminates the need for dilutions, providing more accurate results. In addition to nucleic acid and protein calculations, the software has pre-set programs for BCA, Bradford and Lowry assays.

A full spectrum analysis can be performed in about 6 seconds, up to 5 specific points on the spectrum can be selected for colorimetric readings output. The long life Xenon lamp source requires no warm up and is paired with a highly sensitive CCD detector.

- Quickly calculates and displays 260/280 and 260/230 ratios
- Auto-ranging path lengths of 0.2mm and 1.0mm
- Detect up to 4,500ng/µL of dsDNA without dilution
- Full colour, 7" touchscreen



Code	Light Source	Wavelength Range, nm
F20002	Xenon	200 - 800

## Accuris SmartReader™ 96 Microplate Absorbance Reader

2  
YEARS

Benchmark  
Scientific

A convenient stand alone reader with a 7 inch touch screen, intuitive software and graphical interface. Offers precise temperature control for incubation of plates during processing. Temperature can be maintained at 5°C above ambient to 50°C. Comes complete with 4 popular filters: 405, 450, 492 and 630nm, with many additional filters available separately.

- 8 channel vertical optical path, with zero dispersion
- Integrated, multi-speed plate shaker
- USB port allows quick and easy saving of data files to a USB drive
- Data port can be used for connecting a computer or basic printer



Code	Absorbance Range, A	Wavelength Range, nm
F16194	0.0 - 4.000	340 - 750



## Cole-Parmer® Jenway® 73 Series Spectrophotometers

3 YEARS

Jenway®



Featuring improved optics, resulting in a narrow spectral bandwidth of 5nm and absorbance range of -0.3 to 2.5A. Both models feature measurement modes for absorbance, % transmittance, and concentration, the advanced model adds spectrum scanning, quantitation, and kinetics. The visible spectrum model has a tungsten halogen lamp with a “lamp save” feature which shuts off the lamp after periods of inactivity. The UV/visible model features a “press to read” xenon lamp to provide accurate readings and extend lamp life.

- Connect to a PC or printer via the RS-232 interface, the included software provides easy data export and enables the spectrophotometer to be controlled by a PC
- Autologging capabilities enable repeat measurements of the same sample with a selected time interval
- Minimal footprint with large graphical display
- Icon driven software and easy to use navigation system provide intuitive usability
- Includes 10 x 10mm cuvette holder, 100 x disposable cuvettes, PC software on CD-ROM, interface cable, 2GB USB memory stick (F16020 only), and power supply



Code	Model	Measurement Modes	Light Source	Wavelength Range, nm
<b>F21132</b>	7300	Absorbance, % transmittance, and concentration	Tungsten halogen	320 - 1000
<b>F16020</b>	7315	Absorbance, % transmittance, concentration, spectrum scanning, quantitation, and kinetics	Xenon	198 - 1000

## SLS Flowgen Plate Spinner

2 YEARS

FLOWGEN

Rapidly spin down droplets in PCR or microplates to improve PCR yields or give more consistent assay results. The swing out rotor has two plate carriers that rest at a 75° angle. This allows plates to be inserted confidently without sealing tapes or caps. Most samples can be spun down in less than 20 seconds.

- Unique swing-out rotor design prevents spillage
- Accepts most types of PCR plates
- Capacity: 2 x PCR plates (when stacking skirted PCR plates, max. capacity is 4 plates); 2 x microplates



Code	Max Speed, RPM	Max Speed, x g	Dims, w x d x h, mm
<b>F14352</b>	2550	600	230 x 260 x 197

## Syngene GeneGnome XRQ



GeneGnome XRQ is dedicated to chemiluminescence imaging and is built for high performance and automation, featuring a high quantum efficiency CCD camera. A simple set-up process means a single 'click' will automatically capture a quality image of any western blot. Utilising the GeneGnome XRQ's optimised short 'camera to sample' technology, you'll get more than double the dynamic range of film, making it easy for you to see picogram or femtogram protein levels without all the fuss.

- Compact instrument taking up very little space
- Requires an external PC for use
- Controlled by GeneSys application driven image capture software and comes complete with unlimited copies of GeneTools analysis software

This item may incur an additional delivery charge



Code	Image Resolution, mpx	A/D	Image Area, mm	Dims, w x d x h, mm
F21088	4	16 bit	110 x 80	375 x 430 x 440

## Cole-Parmer® SI-200D Shaking Incubator



Cole-Parmer®



Provides an orbital shaking motion to ensure even mixing while promoting bacterial growth. Featuring a timer which can be set from 1 second to 9 days. Once the timer has counted down, an alarm will sound and the shaking action will stop while the incubator will continue to run. Built in USB connection and dedicated software allow long term monitoring of the incubator temperature via a PC.

- Microprocessor controlled shaking speed ensures accuracy
- Forced air circulation ensures uniform temperature inside the chamber
- Easily set and view temperature and speed on the digital display
- Unique retractable platform offers easy loading and unloading



Code	Capacity, L	Temp Range, °C	Speed Range, RPM	Dims, w x d x h, mm
F19240	51	+5 to 60	30 - 300	450 x 474 x 522

# SLS Flowgen Incu-Shaker™ Mini Incubated Shaker

2  
YEARS



A compact shaking incubator with a remarkably small footprint. Accepts several platforms and a variety of flasks, tubes and other common vessels. The standard platform (included) features a non-slip, rubber coated surface, ideal for tissue culture flasks, Petri dishes and staining trays. The convenient MAGic Clamp™ platform is also available for use with Erlenmeyer flasks and test tube racks.

- Touch screen control over time, speed and temperature
- Horizontally circular 19mm orbit for aeration and mixing
- Instantly exchange flask clamps with MAGic Clamp™ accessories
- Program STEP feature for linking consecutive programs
- MAGic Clamp™ accessories sold separately - see website for details



Code	Temp Range, °C	Temp Uniformity/ Accuracy, ±%	Speed Range, RPM	Orbit, mm	Dims, w x d x h, mm
F151359	Ambient +5 to 70	0.25/0.1	30 - 300	19	280 x 480 x 330

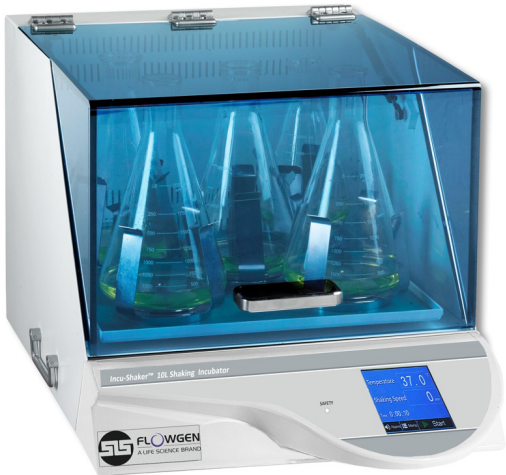
# SLS Flowgen Incu-Shaker™ Refrigerated Shaking Incubator

2  
YEARS



A heavy-duty performer, designed for heavy workloads and continuous use. Outstanding temperature accuracy and uniformity are supported by heat distribution technology that ensures that temperatures are precisely maintained throughout the chamber. Noise and vibration are minimised by an advanced, computer designed motor isolation system. A standard, rubber mat platform is included and is ideal for use with tissue culture flasks, Petri dishes, staining trays and other flat vessels.

- Large platform 18 x 18 inch, for up to 5 x 2L
- Horizontally circular 19mm orbit for aeration and mixing
- Timer: 1 min to 48 hrs or continuous



Code	Speed Range, RPM	Temp Range, °C	Dims, w x d x h, mm
F16530	30 - 300	-15 to 60	510 x 790 x 560

## Grant JB Academy Unstirred Water Baths



A basic, simple to use, high quality water bath range, consisting of three great value models. A polycarbonate, perforated base tray is included as standard, which promotes heat convection, optimal temperature uniformity, and allows any container to be placed directly in the bath.

- Temperature range: ambient +5 to 95°C ( $\pm 0.5^\circ\text{C}$ )
- Unique Set and Forget® technology with fast heat up
- Practical front panel lock which disables front panel controls preventing unintentional temperature changes



**FREE Polycarbonate Lid!**

Code	Model	Capacity, L	Ext Dims, w x d x h, mm	Int Dims, w x l, mm
<b>F19220</b>	JBA5	5	335 x 215 x 200	281 x 131
<b>F19222</b>	JBA12	12	360 x 365 x 225	306 x 281
<b>F19224</b>	JBA18	18	335 x 570 x 275	281 x 485

## Grant Ecocool Energy Efficient Refrigerated Heating Circulating Baths



Innovative, eco-friendly, refrigerated and heating circulating baths, offering significant running cost savings whilst delivering powerful cooling. Consisting of two models, supplied assembled as ready to use kits, complete with accessory hosing, clips and connectors as standard.

- Active cooling through the whole temperature range
- True energy saving of up to 80% against standard compressor units
- Thermostat and chiller work in harmony, neither will operate alone, eliminating any danger of overheating or freezing
- Single front switch for user convenience

**This item may incur an additional delivery charge**



Code	Model	Capacity, L	Temp Range, °C	Max Flow Rate, L/min	Max Pump Pressure, mbar	Display
<b>F16196</b>	ecocool 100R	4.5	-20 to +100	17	250	4 digit LED
<b>F16200</b>	ecocool 150R	5.5	-30 to +150	14 - 22	530	Full colour QVGA TFT

## SLS Lab Pro PurA-Q+ Type 1 and 2 Water Purification Systems

1  
YEAR



Combines ultrapure and DI water in one unit saving you money and space. Type 2 water is ideal for buffer, reagent and media preparation, sample dilution and general chemistry. Type 1, dispensed direct from the unit or using an optional remote dispenser, is perfect for the most sensitive applications such as cell and tissue culture, molecular biology, electrophoresis, chromatography and spectroscopy.

- Intuitive, icon-based, interactive user interface with touchscreen
- Up to 2L/min ultrapure water with volumetric dispense
- Variable make up rate, up to 25L/hr
- Mount on-bench, under-bench or on the wall
- Continuous TOC monitoring
- Low endotoxin, RNase, DNase and protease options available
- Installation service available - please enquire



Code	Model	Dispenser
<b>F17184</b>	+20 UF	Integrated
<b>F17186</b>	+20 UF R	Remote

### Reservoirs

Code	Capacity, L	Description	Dims, w x d x h, mm
<b>F151364</b>	30	Storage reservoir	405 x 230 x 495
<b>F151365</b>	60	Storage reservoir	480 x 330 x 495
<b>F151366</b>	100	Storage reservoir	480 x 360 x 810
<b>F17188</b>	100	Storage reservoir with pump	480 x 360 x 810

### Digital Plug Timer



### Digital Plug Timer



24 hour, 7 day digital outlet timer with UK plug with 20 on/off switching programmes and a 24 hour countdown facility. LCD display.



Code

**F21126**



## SLS Lab Pro Statebourne Cryostor LN<sub>2</sub> Storage Tanks



In partnership with  
**STATEBOURNE**  
cryogenics

High performance cryogenic liquid storage for the laboratory. Equipped with a safety dispensing head incorporating fill, vent and dispense valves, safety reliefs, pressure gauge and an integral pressure build vaporiser with automatic pressure regulation. Stainless steel construction to safely withstand the harshest working environments while offering low evaporative losses.

- Electronic level gauge for accurate reading of contents
- Heavy duty castor wheels on models up to 240L, and 180 and 240L models also have pull along tow bar handle
- Dual fill decant valves
- Normal operating pressure 1.5 bar
- Maximum operating pressure 3 bar
- Valve connections 1/2" BSPP female
- Burst disc pipe away connection 1/4" NPTP female
- Relief valve pipe away connection 3/8" NPTP female

This item may incur an additional delivery charge



Code	LN <sub>2</sub> Capacity, L	Dims, h x Ø, mm	Weight, kg
<b>F21258</b>	30	786 x 540	50 (empty), 75 (full)
<b>F21260</b>	60	900 x 620	65 (empty), 113 (full)
<b>F21262</b>	90	1083 x 620	80 (empty), 153 (full)
<b>F21264</b>	120	1122 x 720	98 (empty), 195 (full)
<b>F21266</b>	180	1378 x 720	124 (empty), 268 (full)
<b>F21268</b>	240	1645 x 690 x 690 (square)	140 (empty), 334 (full)

## LSG Xeno-Free Cell Culture Essentials Kits

Elevate cell culture processes with innovation, efficiency and environmental consciousness. This kit combination includes cutting-edge Xeno-free products for your cell culture needs.

- CellShip® a fully defined, xeno-free cell transportation medium, an alternative to cryopreservation.
- CellSplit® is a completely xeno-free, plant-derived, direct replacement to porcine or bovine-derived trypsin
- CellScrew® simplifies the cell culturing process by removing the need for washing and pelleting cells



Code	Contains
<b>F21168</b>	CellShip® cell transport media (1L), CellSplit® cell dissociation reagent (100mL) and CellScrew® culture area 6000cm <sup>2</sup> media (500 - 600mL)
<b>F21178</b>	CellShip® cell transport media (1L + 5 x 100mL), CellSplit® cell dissociation reagent (200mL), CellScrew® culture area 10000cm <sup>2</sup> media (800 - 1000mL)

## Liebherr Mediline Spark Free Refrigerator and Freezer

2  
YEARS

**LIEBHERR**

Liebherr refrigerators and freezers with a Comfort electronic controller and spark free interior can be used for storing explosive and highly flammable substances.

- Comfort electronic controller enables temperatures to be set accurately
- ATEX has been updated. 2014 / 34 / EU (ATEX) directive, rated as II 3G Ex NA II T6
- Visual and audible alarm systems
- Integrated data memory
- Volt free alarm contact
- Static cooling
- Manual defrost
- Self closing doors with lock

**This item may incur an additional delivery charge**



Code	Description	Temp Range, °C	Capacity, L	No. of Shelves	Dims, w x d x h, mm
<b>F20032</b>	LGUex1500 underbench freezer	-9 to -26	139	3	601 x 618 x 820
<b>F20034</b>	LKUexv1610 underbench refrigerator	+3 to +16	141	3	597 x 615 x 820

## Liebherr Premium Underbench Freezer

2  
YEARS

**LIEBHERR**

The Liebherr premium underbench freezer with static cooling is an ultra-efficient unit that easily fits on or under a counter. Designed for better freezing performance and stable temperatures.

- Large surface evaporator for better cooling performance and faster freezing
- Highly efficient fan for consistent internal temperatures
- Digital temperature display with touch control buttons
- Audible alarms for high temperatures and open door
- Coated or stainless steel body with adjustable feet
- Thermoformed polystyrene liner made from a single sheet for easy cleaning
- Reversible, self closing doors have interchangeable hinges for right or left open
- Solid steel door lock for securing valuable samples and lab products

**This item may incur an additional delivery charge**



Code	Model	Temp Range, °C	Capacity, L	No. of Shelves	Dims, w x d x h, mm
<b>F20036</b>	GGU1500	-9 to -26	143	3	600 x 615 x 830

## Haier Biomedical -150°C Cryo Chest Freezer

5 YEARS

Haier Biomedical  
Intelligent Protection of Life Science



With a storage environment about 20°C colder than the water recrystallisation temperature, it is suitable for storage of a varieties of biological samples and testing materials.

- 10" LCD touchscreen display with temperature accuracy of 0.1°C
- Environmentally friendly HC refrigerant
- Energy saving dual-compressors 4-stage cascade refrigeration system
- Wide cabinet opening design, outer door multi-layer sealing, standard with two inner doors, to prevent the loss of cold
- Audible and visual alarms: user programmable high and low temperature alarm set points, power failure, sensor error, door ajar, etc.



This item may incur an additional delivery charge

Code	Model	Temp Range, °C	Capacity, L	Dims, w x d x h, mm
<b>F19426</b>	DW-150W209	-130 to -150	200	1650 x 850 x 1010

## Lec Laboratory Plus Bluetooth Enabled Freezers

5 YEARS



Laboratory freezers developed with reliability and ease of use in mind. The controller is Bluetooth enabled and allows for simple, contactless monitoring of temperature and alarm history, via via smart phone app.

- Spark-free interior to reduce risk of ignition
- Flexible internal storage - multiple shelf positions provide flexible storage options for all your needs
- Factory fitted 16mm porthole enables quick and easy access for any secondary temperature monitoring probes
- Anti-microbial powder coating to help prevent cross contamination by inhibiting growth of microbes
- Operating temperature -18 to -26°C



This item may incur an additional delivery charge

Code	Model	Capacity, L	Dims, w x d x h, mm	No. of Drawers	No. of Shelves
<b>F21184</b>	LSFSF98BT	98	595 x 660 x 850	3	3
<b>F21186</b>	LSFSF312BT	312	595 x 660 x 1935	8	8

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EXCLUSIVE OFFERS & EXCITING NEW PRODUCTS



## **Gilson PIPETMAN® L Manual Pipettes**

Comfortable, precise, accurate and reliable, use PIPETMAN® L pipettes confidently in your applications. Lightweight and balanced, these pipettes combine an ergonomic design with minimised pipetting forces



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