



Equipment Promo Sep20-Sep21

Offer valid until 31st August 2021

2020



The MSC service department can keep your equipment running safely and as per specifications. Contact MSC for maintenance contracts, spare parts, IQOQ and general equipment repairs.

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Offer valid until 31/08/2021

REMOTE MONITORING

Monitor temperature and humidity

Proges temperature monitoring system have recently launched the Foxnet System. Foxnet is a wireless data logger designed for real-time monitoring of temperature and humidity, working with the Thermotrack Webservice Cloud App.



- Designed specifically for the Life Sciences
- 24/7 monitoring
- Wireless communication
- Sensors for temperature, humidity, 4.2 mA
- Powered by interchangeable batteries
- Battery life up to 2 years

Please email info@medical-supply.ie to discuss your requirements with one of our representatives



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HTL Optipette



Key Features

- Low pipetting forces
- Highly durable shaft/ semi-autoclavable
- UV resistant
- Self-calibration kit included

Code	Product
5601	OP2 (0.1-2ul)
5602	OP10 (0.5-10ul)
5603	OP20 (2-20ul)
5604	OP100 (10-100ul)
5605	OP200 (20-200ul)
5606	OP1000 (100-1000ul)
5608	OP5000 (1000-5000ul)
5609	OP10000 (1000-10000ul)
7912	Starter Pack: OP10, OP20, OP200, OP1000 + Stand

HTL Labmate Pro



Key Features

- Dual volume adjustment
- Self-calibration kit included
- Ultra Low Pipetting Forces
- Fully autoclavable

Code	Product
5661	LMP2 (0.1-2ul)
5662	LMP10 (0.5-10ul)
5663	LMP20 (2-20ul)
5664	LMP100 (10-100ul)
5665	LMP200 (20-200ul)
5666	LMP1000 (100-1000ul)
5668	LMP5000 (1000-5000ul)
5669	LMP10000 (1000-10000ul)
7905	Starter Pack: LMP10, LMP20, LMP200, LMP1000 + Stand

ART and Biopointe Tips from MSC



Looking for filtered, racked or bulk tips? Then please contact your local representative for a quote. MSC aims to beat your current price!

HTL Swiftpet Pro Pipette Controller



Key Features

- Protected by exchangeable, autoclavable filter
- Supplied with charging stand
- Easily purchase replacement batteries at local shop!

Code	Product
390	Swiftpet Pro Pipette Controller (incl. charging stand)

Code	Product
6281	LMP8-10 8-Channel Pipette (0.5-10ul)
6282	LMP8-50 8-Channel Pipette (5-50ul)
6283	LMP8-200 8-Channel Pipette (20-200ul)
6284	LMP8-300 8-Channel Pipette (50-300ul)
6285	LMP12-10 12-Channel Pipette (0.5-10ul)
6286	LMP12-50 12-Channel Pipette (5-50ul)
6287	LMP12-200 12-Channel Pipette (20-200ul)
6288	LMP12-300 12-Channel Pipette (50-300ul)

Code	Product
4951	DP8-10 8-Channel Pipette (0.5-10ul)
4952	DP8-50 8-Channel Pipette (5-50ul)
4953	DP8-200 8-Channel Pipette (20-200ul)
4954	DP8-300 8-Channel Pipette (50-300ul)
4955	DP12-10 12-Channel Pipette (0.5-10ul)
4956	DP12-50 12-Channel Pipette (5-50ul)
4957	DP12-200 12-Channel Pipette (20-200ul)
4958	DP12-300 12-Channel Pipette (50-300ul)

Code	Product
P3600L-10-230VUK	Excel Electronic Pipette 0.5 to 10ul, single channel, with charger, UK plug
P3600L-20-230VUK	Excel Electronic Pipette 2 to 20µl, single channel, with charger 230V, UK plug
P3600L-200230VUK	Excel Electronic Pipette 10 to 200µl, single channel, with charger 230V, UK plug
P3600L1200230VUK	Excel Electronic Pipette 100 to 1,200µl, single channel, with charger 230V, UK plug
P3608L-10-230VUK	Excel Electronic Pipette 0.5 to 10µl, 8 channel, with charger, 230V, UK plug
P3608L-20-230VUK	Excel Electronic Pipette 2 to 20µl, 8 channel, with charger, 230V, UK plug
P3608L-200230VUK	Excel Electronic Pipette 10 to 200µl, 8 channel, with charger, 230V, UK plug
P3608L1200230VUK	Excel Electronic Pipette 100 to 1,200µl, 8 channel, with charger, 230V, UK plug
P3612L-10-230VUK	Excel Electronic Pipette 0.5 to 10µl, 12 channel, with charger, 230V, UK plug
P3612L-20-230VUK	Excel Electronic Pipette 2 to 20µl, 12 channel, with charger 230V, UK plug
P3612L-200230VUK	Excel Electronic Pipette 10 to 200µl, 12 channel, with charger, 230V, UK plug
P3612L1200230VUK	Excel Electronic Pipette 100 to 1,200µl, 12 channel, with charger, 230V, UK plug

Key Features

- 8 and 12-channel options
- Dual Volume Adjustment
- Low pipetting forces
- Light weight
- Self-calibration kit included
- Fully autoclavable

HTL Labmate Pro Multichannel Pipettes



ART and Biopointe Tips from MSC

Looking for filtered, racked or bulk tips then please contact your local representative for a quote. MSC aims to beat your current price!



Key Features

- Fully Motorised Piston Drive
- Multifunctional with Six Operational Modes
- Virtually Eliminates Pipetting Force
- Exceptional Accuracy and Precision

Labnet Excel Electronic Pipettes



Haier -86°C ULT Freezers

World leading capacity and energy efficiency

All Haier ULTs are now only supplied with natural gas, in compliance with EU 2020 regulations.

Key Features

- Store up to 60,000 samples
- Worlds lowest energy consumption ULTs – save up to €1,300/year on electricity versus competitors on J models
- Small footprint on Slimline models from as little as W812mm x D893mm
- **No quibbles 5-year compressor warranty**



Code	Product	Power Consumption	2" Box Capacity
DW-86L388J	-86°C ULT Upright Freezer 388L CE, ISO, Green generation	7.5Kw/24hr	120
DW-86L490J	-86°C ULT Upright Freezer 490L, Split Door, CE, ISO, Green generation	11.5Kw/24hr	288
DW-86L578J	-86°C ULT Upright Freezer 578L CE, ISO, Green generation	8.5Kw/24hr	400
DW-86L728J	-86°C ULT Upright Freezer 728L CE, ISO, Green generation	10.5kw/24hr	500
DW-86L828J	-86°C ULT Upright Freezer 828L CE, ISO, Green generation	12Kw/24hr	600
HBX-1C	CO2 Back-up System CE, ISO	-	-

COOL FACT! Did you know that MSC have 9 factory trained service engineers based in Dublin?

Smart Frequency -80°C ULT Freezers

Smarter by design, introducing the Haier Biomedical's ultra low temperature freezers with Smart Frequency conversion technology

Key Features

- **Intelligent Frequency Conversion Technology** – two frequency compressors, designed with adaptive control, that follow user patterns and adjust the refrigeration system, substantially reducing energy consumption
- **Maximum Energy Efficiency** – This range of freezers have the lowest energy consumption figures to date
- **Precise Temperature Control** – Temperature stability between $\pm 30^{\circ}\text{C}$
- **Minimal Noise Output** – noise levels reduced to only 43.5dB
- **Pressure Equalisation Port** – Heated port spring assisted mechanism prevents icing on vent and allows users to reopen the door shortly after opening
- **Multilevel Alarms** – Alarming function that include hi-low temperature, sensor error, power failure, high ambient, clean filter and door ajar



Code	Product	Power Consumption	2" Box Capacity
DW-86L579BPT	Smart Frequency Series -86°C ULT Upright Freezer 579L, HC Gas, Touch Screen Controller, CE	7.5Kw/24hr	400
DW-86L729BPT	Smart Frequency Series -86°C ULT Upright Freezer 729L, HC Gas, Touch Screen Controller, CE	8Kw/24hr	500
DW-86L829BP-T	Haier 829L Smart Frequency -80°C ULT Freezer (Ultra Low Energy) With touchscreen	8.2Kw/24hr	600
DW-86L959BP-T	Haier 959L Smart Frequency -80°C ULT Freezer (Ultra Low Energy) With touchscreen	10.2kw/24hr	700

Biobanking ULT - Twin Cool

Intelligent TwinCool Refrigeration System – Two independent refrigeration systems are designed to ensure optimal reliability, longevity and efficiency

Key Features

- **Maximum Sample Security** – TwinCool means extra insurance. Each independent refrigeration system can maintain -80°C
- **Fast Cabinet Pull Down** – The pulldown process is FAST! It only takes three hours to reach -80 degrees celcius when starting at 25 degrees celcius
- **Maximum Energy Efficiency** – The TwinCool ultra-low system operates with 12Kwh/day
- **World Leading Energy Saving Refrigeration Technology** – Haier hydrocarbon refrigeration technology operates with less than 50% energy to reduce operating costs.
- **Reduced Running Costs** – VIP thermal insulation system is designed to significantly reduce heat gain and operating costs.



Code	Product	Power Consumption	2" Box Capacity
DW-86L578ST	Double Cooling Series -86°C ULT Upright Freezer 578L, HC Gas, Touch Screen Controller, CE	12Kw/24hr	400
DW-86L728ST	Double Cooling Series -86°C ULT Upright Freezer 728L, HC Gas, Touch Screen Controller, CE	12Kw/24hr	500

NEW! Underbench 100L -86°C ULT

ULT -86°C Freezer Racking



- Energy efficient, safe and reliable, consumption of 5.5kW/24h
- Personal ULT storage – 810mm cabinet height makes it easy to place under the bench
- Ergonomic design – door handle ensures easy one hand opening
- Low noise – only 46.8db

Code	Product	Power Consumption	Capacity
HA08DW-86L100J	Personal -86°C ULT Underbench Freezer 100L, Microprocessor Control, LED Display, HC Gas, CE	5.5kw/24h	100L

ULT -86°C Freezer Racking. Any Freezer. Any Rack

ULT -86°C Freezer Racking

Standard Racks



Comfort Sliding Drawer Racks



Microtiter Plate (MTP) and Microscope Slide Racks



Tray Racks



Racking for Haier -86°C ULT Freezers

Code	Product
DCJ-44-A	Haier Standard Steel Rack for 2" Vials
DCJ-44-B	Haier Comfort Steel rack with sliding drawers for 2" Vials

Haier Laboratory Refrigerators and Freezers

Wide range temperature adjustment and precise temperature stabilisation control – **designed specifically for labs.**



Code	Product
HLR-198F	Haier 198L Laboratory Refrigerator 3-16°C
HLR-310F	Haier 310L Laboratory Refrigerator 3-16°C
DW-25L92	Direct Cooling Series -25°C Upright Freezer 92L CE, ISO
DW-25L262	Direct Cooling Series -25°C Upright Freezer 262L CE, ISO

Key Features

- **Wide Temperature Range** – 3-16°C temperature range on fridge and -10°C to -25°C on freezers
- **Multiple Alarms** – including high and low temperature, door open, etc

NEW! Haier Spark-Free Fridges and Freezers

ATEX II C-T6 Explosion proof certified laboratory refrigerators and freezers

Key Features

- **360° Explosion Proof Interior** – with ATEX II C-T6 EU explosion Proof Certification
- **Setting Temperature Range** - Refrigerators between 3-16°C and Freezers -10 to -25/30°C with ±3°C temperature uniformity
- **Anti-Static Interior** – Fridges and freezers can be provided with an anti-static interior design, door frame and steel shelves
- **Low Noise** – Fridges are below 40dB and Freezers at only 27dB



Code	Product
HLR-118SF	Haier 118L Internal Spark Free Lab Refrigerator (3-16°C)
HLR-118FL	Haier 118L Internal Spark Free Lab Refrigerator (3-16°C) black anti-static interior
HLR-310SF	Haier 310L Internal Spark Free Lab Refrigerator (3-16°C)
HLR-310FL	Haier 310L Internal Spark Free Lab Refrigerator (3-16°C) black anti-static interior
DW-25L92SF	Haier 92L Internal Spark Free Lab Freezer (-10 to -25°C)
DW-25L92FL	Haier 92L Internal Spark Free Lab Freezer (-10 to -25°C) black anti-static interior
DW-25L278SF	Haier 278L Internal Spark Free Lab Freezer (-10 to -30°C)
DW-25L278FL	Haier 278L Internal Spark Free Lab Freezer (-10 to -30°C) black anti-static interior

Liquid Nitrogen Storage Containers - LAB Series

Comes with holders and cryoboxes as standard!

Key Features

- High-strength aluminium alloy structure
- Multi-layer thermal isolation design
- Protective jacket to prevent damage to internal structures
- 5-years warranty on vacuum
- Wide range of optional accessories



Model	Unit	YDS-30-125-F	YDS-35-125-F	YDS-35B-125-F	YDS-47-127-F
Capacity	L	30	35	35	47
Static Evaporation Loss	L/d	0.28	0.29	0.35	0.33
Static Hold Time	d	71	76	63	90
Numbers of Square Canister Racks	EA	6	6	6	6
Number of boxes per holder	box	4	5	5	6
1.2&2ml vial capacity	EA	600	750	750	900
Offer Price		€1,150	€1,250	€1,600	€1,250

NEW! Cryogenic -150°C Freezer - Available in 2021!

Key Features

- Alternative to LN2 storage system
- Power consumption of only 25.5Kw/24h
- Storage of 13,200 2" cryovials
- Capacity of 200L
- Reliable performance



Code	Product
DW-150W209	-15°C ULT Cryogenic Freezer, 209L



Don't forget your Cryogloves!

Code	Product
ACC-SECU-16	Cryogloves small pair
ACC-SECU-17	Cryogloves medium pair

NEW Invi-vo2 Hypoxia Workstation from Baker Ruskinn

THE FUTURE

Since 1998 Baker Ruskinn have been working with pioneering scientists around the world to make breakthroughs in cell research.

AT YOUR FINGERTIPS

Over those years researchers have devoted their lives to advancing knowledge and understanding of the way cells behave. And that means from day one you have to be confident that your results can be trusted. If it's got to be right, then it's got to be Baker Ruskinn.

MIMICKING PHYSIOLOGY

The InviVO₂ hypoxia workstation was designed and built to give you the reassurance of reliable, physiologically-relevant results under controlled conditions. It allows you to study the most complex of cell interactions under perfect hypoxic conditions, regulating and maintaining oxygen, carbon dioxide, temperature and humidity.

Whether you're hoping to replicate the environment of blood vessels or lung tissue, the InviVO₂ is the best tool for the job.

Intuitive user controls and clean display

Dual chamber available for

INVIVO

Code	Product
INVIVO-001	InviVO 2 400 Compact with ICONIC (H ₂ /N ₂ ; CO ₂ ; N ₂ ; AIR) gas mixer

CondoCell - Luxury accommodation for cells

Key Features

- Ideal for short term hypoxia studies or increased long term storage when coupled with a workstation
- Portable solution
- Adherent & Non-adherent cultures *dependent on culture vessel
- Utility with non-O₂ culture
- Increases productivity allowing researchers to complete additional work
- Filtered, protected and contained environment for you and your cells



Code	Product
Condo-001X6	6 x Condocells with ACU
ACU-001	Atmospheric conditioning unit
Condo-001	1 x condocell

Hypoxic Incubators from GS Biotech

Features

- Profiled heating creates gentle circulation, so no need for a fan or HEPA filter
- Three different sizes available, 14, 48 and 170L

- Infrared CO₂ sensor, with auto self-referencing function
- Range of O₂ levels, from 0.1-19%
- Seamless chamber with rounded interior making cleaning easy
- CO₂ range programmable from 0.2 to 20%
- Stacking kit available
- **3 year warranty**



Code	Product
220 Gold)2	GS Biotech 2200L Gold Standard Temperature, decontamination and O ₂ control from 0.1-19%
170L Gold O ₂	GS Biotech 170L Gold Standard Temperature, decontamination and O ₂ control from 0.1-19%
48L Gold O ₂	GS Biotech 48L Gold Standard Temperature, decontamination and O ₂ control from 0.1-19%
14L Gold O ₂	GS Biotech 48L Gold Standard Temperature and O ₂ control from 0.1-19%

Luna-II™ Cell Counter With Reusable Slide

Get fast, accurate and consistent cell counts without the consumable costs!

Features

- Fully automated cell counting and cell viability analysis
- Autofocus technology for fast and reliable cell counting
- Dye exclusion-based or unstained cell counting methods
- Various histograms and cell size gating
- Unmatched counting accuracy and speed
- Built-in computer and printer
- The most affordable running cost currently on the market



FREE Reusable slide included!



Code	Product
L40001	LUNA-II™ Automated Cell Counter (with built-in printer) – including reusable slide
L40002	LUNA-II™ Automated Cell Counter (without printer) – including reusable slide

NEW! Luna FX7 - 8 channel slide counter

Features

- Best in class accuracy, lowering CV to less than 1%
- Multiple samples in one go – new 8 and 3 channel slides
- Expanded cell concentration range



Code	Product
L70001	LUNA-FX7™ Automated Cell Counter

Introducing Celena®X High Content Imaging System

The Celena®X High Content Imaging System is an integrated imaging system designed for rapid, high content image acquisition and analysis. Customisable protocols, image-based and laser auto-focusing modules, and motorised XYZ stage simplify well plate imaging and slide scanning.

Features

- Live Cell Assay Support – Onstage incubation system for a variety of experiments in physiological and non-physiological conditions
- Four imaging modes – fluorescence imaging in four channels, brightfield, colour brightfield and phase contrast imaging
- Powerful – easy to use interface
- Customisable high content analysis – create and customise analysis projects



Code	Product
CX30000	Celena®X High Content Imaging System

Introducing: Ingenio® ZPorator® Electroporator

Features

- Performance: deliver any nucleic acid to hard-to-transfect stem and primary cells
- Simplicity: use a single, universal electroporation solution across all cell types
- Flexibility: easily optimize electroporation parameters for each cell type
- Every system comes with a complimentary Ingenio® Electroporation Kit (8 reactions) and an easy-to-use protocol



Order of the ZPorator includes 8 reaction Ingenio Electroporation kits

Code	Product
MIR 51000	Ingenio® EZporator® Electroporation System, Includes Ingenio® EZporator® Pulse Generator, Cuvette Chamber, and 8 Reaction Ingenio® Electroporation Kit

Code	Product	Compatible Instruments
MIR 50111	Ingenio® Electroporation Solution, 25 reactions	-
MIR 50112	Ingenio® Electroporation Kit for the EZporator® Electroporation System (0.2 cm cuvettes and cell droppers), 25 reactions	Lonza-Amaya® Nucleofector® II/2b devices
MIR 50113	Ingenio® Electroporation Kits for the EZporator® Electroporation System (0.4 cm cuvettes and cell droppers), 25 reactions	All conventional electroporators such as Bio-Rad® and Harvard-BTX®
MIR 50114	Ingenio® Electroporation Solution, 50 reactions	-
MIR 50115	Ingenio® Electroporation Kit for the EZporator® Electroporation System (0.2 cm cuvettes and cell droppers), 50 reactions	Lonza-Amaya® Nucleofector® II/2b devices
MIR 50116	Ingenio® Electroporation Kits for the EZporator® Electroporation System (0.4 cm cuvettes and cell droppers), 50 reactions	All conventional electroporators such as Bio-Rad® and Harvard-BTX®
MIR 50117	Ingenio® Electroporation Solution, 100 reactions	-
MIR 50118	Ingenio® Electroporation Kit for the EZporator® Electroporation System (0.2 cm cuvettes and cell droppers), 100 reactions	Lonza-Amaya® Nucleofector® II/2b devices
MIR 50119	Ingenio® Electroporation Kits for the EZporator® Electroporation System (0.4 cm cuvettes and cell droppers), 100 reactions	All conventional electroporators such as Bio-Rad® and Harvard-BTX®
MIR 50121	Ingenio® Cuvettes for the EZporator® Electroporation System, 50 pk, 0.2 cm cuvettes	Lonza-Amaya® Nucleofector® II/2b devices
MIR 50123	Ingenio® Cuvettes for the EZporator® Electroporation System, 50 pk, 0.4 cm cuvettes	All conventional electroporators such as Bio-Rad® and Harvard-BTX®
MIR 50125	Ingenio® Cell Droppers, 50 Cell droppers	-

NEW! Synbiosis Colony Counter Protos3

Key Features

- Can identify plates using 1D or 2D barcodes
- Accurately detects colonies as small as 0.043 mm
- Analyses 75 plates in 5 minutes
- Classifies by size, colour and shape



Code	Product
PROTOS3	Protos 3 comes as standard with Pour Plate, Spiral and Dilution Series colony counting and Chromogenic Identification. Requires PC

NEW! Mixwell

Key Features

- Capacity: 50ml to 400ml
- Adjustable speed
- Stainless steel paddles
- Integrated waste tank
- Pendular blending up to 70Kg per paddle

Code	Product
MIXW1001	MIXWEL Innovative Lab blender UK Plug



FASTER Classic Class II Microbiological Safety Cabinets

MSC are now the EXCLUSIVE distributors for Faster in Ireland and NI

“Faster are the chosen BSC II for The Francis Crick Medical Research Institute in Ireland”



stand is not included

Key Features

- **Clean Air** – Air clean in class ISO 3, HEPA filter with 99.999% 0.3µm particles
- **Ergonomic Design** – Angled 7° sloping front for optimum visibility
- **Electronic Sash** – Motorised electronic sash – can also be opened upwards for easy cleaning and decontamination
- **Real Laminar AirFlow** – The internal aerodynamic design of the structure of the chamber provides ideal laminar air-flow patterns
- **Power Saving** – the ECS Eco Control System employs the latest innovative methods of integrated management of all principle functions, optimising power consumption, and reducing CO2 emissions
- **Silent Operation** – The plenum and structures of the electric motor fitted ensure the sound pressure levels recorded are way below the parameters specified in the current European Standards at <55dB
- **Anti Bacterial Coating** – Exclusive Dupont™ ALESTA® anti-bacterial coating prevent microbial contamination of surfaces thereby inhibiting long term surface growth
- **Double Fan** – for better circulation of air within the cabinet, single fan option is still available

Code	Product
FOA027500000	SafeFAST Classic 209 D, 3ft/0.9m
FOA027600000	SafeFAST Classic 212 D, 4ft/1.2m
FOA027700000	SafeFAST Classic 215 D, 6ft/1.8m

Optional Accessories: UV, stand, taps and more

Cytotoxic cabinets

Key Features

- **Ergonomic Design:** The angled sloping (7°) front stratified safety-glass sash provides optimum visibility
- **Electronic sash:** motorised electronic sash
- **Real Laminar AirFlow:** Internal aerodynamic design of the structure chamber provides ideal laminar flow-patterns
- **Triple HEPA filter:** Innovative system of third bank H 14 HEPA/ULPA filtration beneath the working surface.
- **ECS® Eco Controlling System:** The new ECS® microprocessor employs the latest innovative methods of integrated management of all principal functions of ventilation and filtration



Code	Product
FOA021100000	CytoFAST Elite 209, 3ft/0.9m
FOA021400000	CytoFAST Elite 212, 4ft/1.2m
FOA021700000	CytoFAST Elite 215, 5ft, 1.5m
FOA022000000	CytoFAST Elite 218, 6ft/1.8m

Isolation Technology

Isolation technology is certified BS EN ISO9001:2008. Holding quality certificates from both NSAI and IQNet. Isolation Technology provide on-site installation, validation and commissioning of biological and chemical safety product lines. Service engineers carry out hands-on, on-site troubleshooting, service, and repairs, as well as on-site training.

Installations

- Air Showers
- Aseptic Isolators
- BSC Class I
- BSC Class II A2
- BSC Class II B2
- BSC Class III
- Cytotoxic Isolator
- Cytotoxic Safety Cabinet
- Ductless Fume Hoods
- Fume Hoods
- Laminar Flow – Horizontal
- Laminar Flow – Vertical
- Robotic Enclosures
- Tests
- Smoke Visualisation
- DOP Testing
- Particle Counting
- KI Discus



Contact details: service@isolationtechnology.ie or call 01 822 4222

CO2 Incubators from GS Biotech

Optimum chamber environment, profiled heating creates gentle circulation – no need for a fan or HEPA filter – so no ongoing costs!

Key Features

- Profiled heating creates gentle circulation, so no fan or HEPA filter
- Three different sizes available, 14, 48 and 170L
- Infrared CO2 sensor, with auto self-referencing function
- Seamless chamber with rounded interior making cleaning easy
- CO2 range programmable from 0.2 to 20%
- Stacking kit available
- **3 year warranty**



Code	Product
220 Gold	GS Biotech 220L Gold Standard temperature and decontamination
170L Gold	GS Biotech 170L Gold Standard temperature and decontamination
48L Gold	GS Biotech 48L Gold Standard Temperature and decontamination
14L Gold	GS Biotech 14L Gold Standard temperature

Additional Accessories

Code	Product
170-1160	STAND FOR TWO 48L INCUBATORS WITH CASTORS
170-1060	STAND FOR TWO 170L INCUBATORS WITH CASTORS

CO2 Orbital Shaker

Key Features

- Fits the 170L and 220L GS Biotech incubators
- Speed range 20 to 300rpm with 1rpm increments
- Orbital diameter 19.0mm
- Timer range 0 to 49 hours with 1 second increments or continuous
- Suitable for use in incubators and cold rooms
- Universal hi-lo platform and bungee cords allows you to create your own holding matrix for vessels of all shapes and sizes



Code	Product
GSB-HS120460	Orbital shaker complete with platform (fits 170 & 220L models)

Allsheng 7K Minifuge



Code	Product
AS-08070-00	Mini 7k centrifuge, 6,000 rpm with 6 x 1.5ml rotor and adapters for 0.5ml strip tubes

Grant Combo Minifuge and Vortex



Code	Product
PCV-2400	Microcentrifuge/vortex mixer Combi-spin™ to 3500 rpm, inc. rotors for 12 x 1.5ml and 12 x 0.5ml plus 12 x 0.2ml

Allsheng 15K Centrifuge



Code	Product
AS-08110-00	Mini 15k centrifuge; 15,000rpm, 12 x 1.5/2.0mL tube rotor, rcf-rpm conversion, LCD display

Labnet Spectrafuge 24D Microcentrifuge



Code	Product
C2400-B-230V	Spectrafuge 24D, 13,300rpm, complete with 24 x 1.5ml rotor

Labnet MPS 1000 Mini PCR Plate Spinner



Code	Product
C1000-230V	Plate Spinner Centrifuge, 2 x plate capacity

Allsheng Refrigerated 15K Centrifuge



Key Features

- Max rotor capacity 24 x 1.5/2.0ml tubes
- Max speed 14,680rpm
- Temperature range from -10°C to +40°C
- Soft brake function
- 3 different rotors available

Code	Product
AS-08130-00	iCEN24R, 14,000rpm with 24x1.5/2.0ml rotor

NEW MPW 150R Refrigerated High Speed Microcentrifuge

Key Features

- Speed: 90 - 15,000 rpm (21,382 x g)
- Temperature control: -20°C to +40°C
- Timer: 1s - 99h 59min 59s, ∞
- Rotor Option 1: 24 x 1.5ml/2.0ml tubes (adapters for 0.5ml, 0.4ml and 0.2ml tubes)
- Rotor Option 2: 6 x 10ml/15ml Falcons



Code	Product
MP0210150R/2-5	MPW-150R Refrigerated laboratory centrifuge, 230V 50Hz, Speed Range: 90-15,000rpm, with angle rotor 24 x 2/1.5ml, with Hermetically Sealed Lid (angle 45°)

NEW! MPW M-Universal Centrifuge

Key Features

- Max capacity 500ml
- Speed 90 – 18,000 rpm (24,270 xg)
- Timer: 1s – 99h 59min 59 sec, ∞, 1s intervals
- Huge range of rotors, adapters and accessories available

Code	Product
102MU/2-56 fixed angle bundle	MPW M-Universal Laboratory centrifuge, 230V 50/60Hz, Speed Range: 100-18,000rpm with, angle rotor 8 x 50ml complete with Buckets 13276 for 50ml Falcon® tubes and round carrier and 15ml adapters
102MU/2-56 swing-out rotor bundle	MPW M-Universal Laboratory centrifuge, 230V 50/60Hz, Speed Range: 100-18,000rpm with swing Out Rotor 4 x 100ml (max RPM: 4 000), with 50ml and 15ml adapters



352/352R Centrifuges

Key Features

- Max capacity: 1000ml
- Speed: 90 - 18,000 and 30,065 rpm (30065 x g)
- Timer: 0 - 99min 59s, or ∞, 1s interval
- Air-cooled and refrigerated (-20°C - +40°C) versions available
- Huge range of rotors, adapters and accessories available



Code	Product
10352/2-56 fixed angle bundle	MPW-352 Laboratory Centrifuge, 230V 50/60Hz, Speed Range: 100-18,000rpm with angle rotor 6 x 50 ml for Falcon tubes with HS (angle 30°) and 15ml adapters
10352R/2-56 fixed angle bundle	MPW-352 refrigerated Centrifuge, 230V 50/60Hz, Speed Range: 100-18,000rpm with angle rotor 6 x 50 ml for Falcon tubes with HS (angle 30°) and 15ml adapters
10352/2-56 swing-out rotor bundle	MPW-352 Laboratory Centrifuge, 230V 50/60Hz, Speed Range: 100-18,000rpm with swing-out rotor 4 x 250ml (max RPM: 5 000), with 50ml and 15ml adapters
10352R/2-56 swing-out rotor bundle	MPW-352 refrigerated Centrifuge, 230V 50/60Hz, Speed Range: 100-18,000rpm with swing-out rotor 4 x 250ml (max RPM: 5 000), with 50ml and 15ml adapters

380/380R Centrifuges

Key Features

- Max capacity: 1.6L
- Speed: 100 - 18,000 and 31,150 rpm (31150 x g)
- Timer: 0 - 99min 59s, or ∞, 1s interval
- Air-cooled and refrigerated (-20°C - +40°C) versions available
- Huge range of rotors, adapters and accessories available



Code	Product
10380/2-56 fixed angle bundle	MPW-380 Laboratory centrifuge, 230V 50/60Hz, Speed Range: 100-18,000rpm, angle rotor 8 x 50ml for Falcon tubes, Hermetically Sealed Lid (angle 30°) (max RPM: 14 000) including 15ml adapters
10380R/2-56 fixed angle bundle	MPW-380 Laboratory centrifuge, 230V 50/60Hz, Speed Range: 100-18,000rpm, angle rotor 8 x 50ml for Falcon tubes, Hermetically Sealed Lid (angle 30°) (max RPM: 14 000) including 15ml adapters
10380/2-56 swing-out rotor bundle	MPW-380 Laboratory centrifuge, 230V 50/60Hz, Speed Range: 100-18,000rpm with swing-out rotor 4 x 750ml (max RPM: 4 100), with 14x15ml Falcon adapters and 7x50ml Falcon adapters
10380R/2-56 swing-out rotor bundle	MPW-380 refrigerated centrifuge, 230V 50/60Hz, Speed Range: 100-18,000rpm with swing-out rotor 4 x 750ml (max RPM: 4 100), with 14x15ml Falcon adapters and 7x50ml Falcon adapters

Labwit Laboratory Ovens and Incubators



Key Features

- P.I.D microprocessor with large LCD offers advance control.
- Real-time clock & timer with delayed auto start from 0 to 99.59 hours.
- Programs for running multiple “ramp and soak” cycles
- Audible and visible alarm on over/under temperature and password protection.
- SUS304 mirror-finished stainless steel interior offers easy cleaning

Horizontal Airflow Forced-air Drying Oven

Code	Product
ZXRD-B5030	Horizontal Airflow Forced-air Drying Oven, 30L, 220V, CE +5 to +200oC
ZXRD-B5055	Horizontal Airflow Forced-air Drying Oven, 55L, 220V, CE +5 to +200oC
ZXRD-B5110	Horizontal Airflow Forced-air Drying Oven, 110L, 220V, CE +5 to +200oC
ZXRD-B5210	Horizontal Airflow Forced-air Drying Oven, 210L, 220V, CE +5 to +200oC

Heated and Cooled Laboratory Incubators

Code	Product
ZXDP-B2050	Heated Incubator 50L with LCD Display, 220V, CE Ambient +5 to +65°C
ZXDP-B2080	Heated Incubator 80L with LCD Display, 220V, CE Ambient +5 to +65°C
ZXDP-B2120	Heated Incubator 120L with LCD Display, 220V, CE Ambient +5 to +65°C
ZXDP-B2160	Heated Incubator 160L with LCD Display, 220V, CE Ambient +5 to +65°C
ZXDP-B2270	Heated Incubator 270L with LCD Display, 220V, CE Ambient +5 to +65°C
ZXSD-B1090	Compressor-cooled Forced-air Incubator, 90L, with LCD Display, 220V, CE 4 to +65°C
ZXSD-B1160	Compressor-cooled Forced-air Incubator, 160L, with LCD Display, 220V, CE 4 to +65°C
ZXSD-B1270	Compressor-cooled Forced-air Incubator, 270L, with LCD Display, 220V, CE 4 to +65°C
ZXSD-R1430	Compressor-cooled Forced-air Incubator, 430L, with touch screen Display, 220V, CE 4 to +65°C



Benchtop Shaking Incubators

Code	Product
ZWY-103B	Benchtop Incubator Shaker, includes one platform, & 4x50ml, 4x100ml, 3x250ml, & 3x500ml clamps, CE, Temp Ambient +5 to 60°C
ZWY-200D	Benchtop Incubator Shaker, includes universal rack, & 5x50ml, 5x100ml, 4x250ml, & 3x500ml clamps, CE, Temp +4 to 60°C



Floorstanding Shaking Incubators

Code	Product
ZWYR-D2401	Stackable incubator shaker (touch screen version), Single Stack, inc 1 platform, CE Temperature Range +4 to 60°C, 30-300rpm
ZWYR-D2402	Stackable incubator shaker (touch screen version), Double Stack, inc 1 platform, CE Temperature Range +4 to 60°C, 30-300rpm
ZWYR-D2403	Stackable incubator shaker (touch screen version), Triple Stack, inc 1 platform, CE Temperature Range +4 to 60°C, 30-300rpm
ZWYR-211C	Floor standing shaking incubator (touch screen version), Hand hold opening, CE Temperature Range +4 to 60°C, 30-300rpm
ZWYR-211D	Floor standing shaking incubator (touch screen version), Foot Pedal Opening, CE Temperature Range +4 to 60°C, 30-300rpm



Four installations in Ireland: DCU, CIT, DIT and NUIG - contact your local rep for a reference

Allsheng Heating Blocks/Dry Baths



MinT H3 with 3 individually controlled heating blocks!

MinT



Code	Product
AS-01150-00	MiniT-100 Dry Bath Incubator, ambient +5°C to 100°C
AS-01130-00	MiniT Dry Bath Incubator, ambient +5°C to 80°C
AS-01220-00	MiniT-H3 Dry Bath Incubator, ambient +5°C to 100°C
Blocks	Choose from: 40x0.2ml, 31x0.5ml, 15x1.5/2.0ml, 2x50ml, 4x15ml, or custom
AS-01030-00	K30 Dry Bath Incubator
Blocks	Choose from: 96x0.2ml, 29x0.5ml + 32x1.5ml, 61x0.5ml, 41x1.5/2.0ml, or custom

Allsheng Dual Heating Block Dry Bath



Code	Product
AS-01190-00	MK2000-2 Dry Bath Incubator, dual block, Ambient +5°C to 105°C
AS-01200-00	MK2000-2E Dry Bath Incubator, individually controlled blocks, Ambient +5°C to 105°C
Blocks	Choose blocks from: 96x0.2ml, 54x0.5ml, 35x1.5ml, 35x2.0ml, 15x0.5ml+20x1.5ml, 24x12mm tube, 12x15ml, 6x50ml, 96x0.2ml microplate, 24x5ml tube, 96-well deep microplate + more

Labnet Mini Incubator



Code	Product
I5110A-230V	Mini Incubator, 9.2L, Ambient +5° to 60°C comes with 1 shelf
I5110A-MLR-230V	Mini Incubator, 9.2L, Ambient +5° to 60°C with Mini Lab Roller and rotisseries for 1.5, 15 and 50 ml tubes

Allsheng MTV-1 mini vortex



Code	Product
AS-02070-00	MTV-1 mini vortex

Allsheng MS-100 Thermo Mixer



Code	Product
MS-100	Thermo Shaker, ambient +5 °C to 100°C, 200rpm-1500rpm
Blocks	Choose from: 96x0.2ml, 54x0.5ml, 35x1.5ml, 35x2.0ml, 15x0.5ml+20x1.5ml, 24 x 12 mm tube, 12x15ml, 6x50ml, 96 x 0.2 ml Microplate, 24x5ml tube, 96-Deep well microplate

Microplate Thermo Shaker Incubator



Code	Product
AS-03020-00	MB100-4A Thermo Shaker for Microplates 200-1500rpm

Allsheng Orbital Shaker



Code	Product
AS-04030-00	OS100 Orbital Shaker 5-300rpm, with universal platform UP-1
AS-04020-00	OS200 Orbital shaker 50-250rpm, with universal platform UP-1



MIXING, SHAKING AND STIRRING

Labnet ProBlot Rockers



Key Features

- Staining, hybridization, washing, etc.
- Compact size, low profile and extremely quiet
- Double platform option expands usable space

Code	Product
S2025-B-230V	ProBlot Rocker 25 with single platform (26 x 20 cm)
S2025-D-B-230V	ProBlot Rocker 25D with double platform (26 x 20 cm)
S2025-XL-B-230V	ProBlot Rocker 25XL with large single platform (30 x 30 cm)
S2025-XLD-B-230V	ProBlot Rocker 25XLD with large double platform (30 x 30 cm)

Labnet Orbital Shakers



Code	Product
S2030-1000-B-230V	Orbit 1000 - Digital Shaker without platform
S2031-12	Flat platform with rubber mat, for use with Orbit 1000 and Reciprocal 30 Shaker
S2031-12D	Two stacked platforms (30 x 30 cm), for use with Orbit 1000/Orbit LS and Reciprocal 30 Shaker
S2031-13	Spring loaded platform for flasks, bottles, or tube racks
S2031-18	Flask clamp platform without clamps, for use with Orbit 1000/Orbit LS and Reciprocal 30 Shaker (see catalog for capacities)
Clamps	Choice of Clamps for: 25 ml, 50 ml, 125 ml, 500 ml, 1 L Erlenmeyer flasks

Labnet Accuplate Hotplate Stirrers



Key Features

- Precise control of temperature and stirring speeds
- Maximum hot temperature surface 380°C
- 5L stirring capacity
- Low profile design with 7" x 7" top plate

Code	Product
D0300-230V	Analog Hot Plate, 230V
D0310-230V	Analog Magnetic Stirrer, 230V
D0320-230V	Analog Hot Plate Stirrer, 230V

Stuart Tube Rollers



Code	Product
SRT6	Tube roller 6 roller
SRT9	Tube roller 9 roller

Stuart SB Rotator

Key Features

- Fully adjustable mixing angle
- Choice of tube holders
- Spillage tray
- SB3 – digital timer
- SB3 – variable speed



Code	Product
SB2	Rotator, fixed speed, including 1.5ml microtube holder
SB3	Rotator, variable speed, including 1.5ml tube holder

Labnet Incubator-Compatible Rotator

Key Features

- Complete 360° rotation
- Adjustable 0-90° mixing angle
- Interchangeable rotisserie options for all common lab tubes.
- Independently adjustable rotisseries
- Cold room and incubator compatible



Code	Product
H5600	Labnet Revolver Rotator with rotisserie for 36 x 1.5/2.0mL tubes, 120V

Grant Vertical and Multi-function rotator

Key Features

- 360° vertical rotation – creates long wave motion for mixing large particles
- Reciprocation – creates long and medium wave motion for medium and large particles
- Vibration – creates short wave motion for mixing for small particles
- Pause



Code	Product
PTR-35	Multi-function tube rotator, vertical 360° rotates, vibrates, reciprocates, 1 to 100rpm, holds 26 x 1.5-15ml tubes
PTR-60	Multi-function tube rotator, vertical 360° rotates, vibrates, reciprocates, 1 to 100rpm, holds 48 x 1.5-15ml tubes

NEW ADAM Nimbus Analytical & Precision Balances



Code	Product	Capacity/Readability /Pan Size
Adam Luna Analytical Balances		
LAB 84i	Luna Analytical Balance, Internal Calibration	80g Capacity, 0.0001g Readability, Pan 80mm Ø
LAB 124i	Luna Analytical Balance, , Internal Calibration	120g Capacity, 0.0001g Readability, Pan 80mm Ø
LAB 214i	Luna Analytical Balance, Internal Calibration	210g Capacity, 0.0001g Readability, Pan 80mm Ø
LPB 223i	Luna Analytical Balance, Internal Calibration	220g Capacity, 0.001g Readability, Pan 120mm Ø
Adam Luna Precision Balances		
LPB 423i	Luna Precision Balance, Internal Calibration	420g Capacity, 0.001g Readability, Pan 120mm Ø
LPB 623i	Luna Precision Balance, Internal Calibration	620g Capacity, 0.001g Readability, Pan 120mm Ø
LPB 823i	Luna Precision Balance, Internal Calibration	820g Capacity, 0.001g Readability, Pan 120mm Ø
LTP 2602i	Luna Precision Balance, Internal Calibration	2600g Capacity, 0.01g Readability, Pan 185x185mm
LTP 3602i	Luna Precision Balance, Internal Calibration	3600g Capacity, 0.01g Readability, Pan 185x185mm
LTP 4602i	Luna Precision Balance, Internal Calibration	4600g Capacity, 0.01g Readability, Pan 185x185mm
LTP 6002i	Luna Precision Balance, Internal Calibration	6000g Capacity, 0.01g Readability, Pan 185x185mm

Hanna Edge Ph meters



Key Features

- Single parameter pH meter features user-friendly tablet design with bench, portable or wall mount options for ultimate flexibility.
- Switch from portable to bench in the same procedure or clear the surface for easier working and hang on the wall.
- Range -2.0 to 16.00pH; resolution 0.01pH; data store for 1000 records; supplied with glass pH electrode + temperature sensor.
- Digital smart electrode compatible.

Code	Product
HI-2020-02	Hanna Edge pH meter with probe

BMG Labtech SPECTROstar Nano

Ultra-fast, full UV/Vis spectrum absorbance microplate reader with cuvette port

Key Features

- Full-spectrum UV/Vis absorbance measurements in less than 1 second
- Measurement from 96-well to 1536-well microplate format
- Integrated cuvette port for individual samples
- Linear, orbital and double-orbital shaking as well as uniform incubation up to 45 °C



Code	Product
601-101	Spectrostar Nano
LVIS	LVIS Nano Volume adapter for 16 x 2ul samples

NEW! BMG Labtech Clariostar Plus Monochromator Plate Reader

The new CLARIOstar® Plus is the latest addition to our family. Our most flexible multi-mode plate reader comes equipped with our patented LVF Monochromators™, filters, and spectrometer. Flexibility combined with the best sensitivity of its class, and our newly developed Enhanced Dynamic Range technology, make it the ideal reader for assay development.

Key Features

- Innovative monochromators for increased sensitivity
- Fully-flexible wavelengths and bandwidths
- Spectral scanning in ABS, FI and LUM
- Largest dynamic range with no manual intervention
- Rapid full-plate autofocus
- Dedicated features for live cell-based assays
- Ultra-fast data sampling (100 measurements/second)
- Dedicated laser for Alpha Technology



With installations in Conway (UCD), MU, DCU and RCSI!

Code	Product
430-101/10	CLARIOstar with Monochromator for FI + FRET from 320 - 730 nm (no filters included)
Optional Extras	
430-120	UV/Vis absorbance spectrometer (220 - 1000 nm)
430-130	Luminescence for up to 384-well format (384 aperture for LUM and ALPHA included)
430-141/2	Fluorescence Polarisation UV and Vis - includes 1 filter set
430-150	TRF / TR-FRET (one filter set included, requires P/N 430-130)
430-160	High-end laser-based ALPHA (one filter set included, requires P/N 430-130)
430-200	ACU (Atmospheric Control Unit) for O2 and CO2 (no later upgrade possible)
430-171	Reagent Injector 1
430-172	Reagent Injector 2

Allsheng Plate Reader

- Easy use with 7 inch touch screen together with 3 external keys
- A broad wavelength range of 340-750nm
- Able to use individually or connect with PC and export results or a PAD with Android system
- Absorbance range: 0.0~4.000Abs
- 8 positions optical filter wheel, equipped with 4 standard optical filters
- Fast and accurate measurement of 96-well plates within 6 seconds
- Convenient built-in shaker
- Wide-format internal thermal graphical printer
- Wide applicability for life science and clinical laboratories
- Additional reference channel for optimized light intensity
- Endpoint, kinetic and multi-label measurements for a variety of applications
- Shaking with variable time and speed



Code	Product
AS-16050-00	Microplate Reader

BMG Labtech OMEGA Plate readers

The Omega Series of microplate readers offer true flexibility to provide you with the perfect reader to fulfil your requirements: from an absorbance-only SPECTROstar or luminescence-only LUMIstar to a fully-equipped POLARstar Omega with up to six detection modes. Your chosen instrument can also be upgraded at any time if you need more features or additional detection modes.

Key Features

- Measurement in up to 384-well microplate format (1536-well on Spectrostar)
- Top and bottom reading
- Plate shaking and uniform incubation up to 45 °C or 65 °C
- Well-scanning and real-time kinetic monitoring
- High-precision injectors with simultaneous reagent injection and detection
- Includes multi-user control and MARS data analysis software
- ACU compatible for O2 and CO2 control
- Compatible with LVis Plate and Stacker



Code	Product
415-101	FLUOstar Omega with UV/Vis Absorbance, time resolved fluorescence
415-101-AFL	FLUOstar Omega with UV/Vis Absorbance, time resolved fluorescence and luminescence
415-101UG	FLUOstar Omega with UV/Vis absorbance
415-102	FLUOstar Omega time resolved fluorescence

Accessories: filters, UV/VIS DNA nanoplate, luminescent/flourescent/BRET upgrade modules, injectors + more. Just ask for more details!

Jenway Spectrophotometers



Code	Product
731001	Model 7310 single beam, scanning, visible range spectrophotometer (320-1000nm) fitted with single 10 x 10mm cuvette holder, supplied with universal power supply, 4GB USB memory stick, 100 disposable cuvettes, instruction manual and PC software on CD ROM with interface cable.
731501	Model 7315 single beam, scanning, UV/visible range spectrophotometer (198-1000nm) fitted with single 10 x 10mm cuvette holder, supplied with universal power supply, 4GB USB memory stick, 100 disposable cuvettes, instruction manual and PC software on CD ROM with interface cable.
736501	Model Genova Plus single beam, scanning, UV/visible range spectrophotometer (198-1000nm) fitted with micro-cuvette holder, supplied with single 10 x 10mm cuvette holder, universal power supply, 4GB USB memory stick, 100 disposable micro-cuvettes and instruction manual.
737501	Model Genova Nano single beam, scanning, UV/visible range micro-volume spectrophotometer (198-1000nm) fitted with micro-volume accessory, supplied with universal power supply, 4GB USB memory stick, calibration standard (035092) and certificate and instruction manual.

Allsheng ELISA Plate washer

The APW-100 Microplate Washer is easy, convenient and versatile to use for washing microplate in ELISA assays.



Key Features

- 8-position washing head for 96-well plates (flat, U, V, C bottom)
- 4.3 inch colour LCD display for stand-alone use and USB for PC connection
- Washing volume: 50~2000µl (50µl increments)
- Residual liquid: ≤0.5µl/well
- Programmable soaking and shaking times

Code	Product
AS-16010-00	APW-100 8-channel Microplate washer including washing/waste bottles

Ask your local sales representative for a demo.

Titertek-Berthold ZOOM Automated Plate Washing System



Key Features

- 96 & 384 well (no change of wash head necessary)
- 3-D aspiration
- Buffer selection (up-to four different buffers/liquids in one process)
- Optional Accessories: Dispense Module for advanced dispensing

Speed

- 96 well plate wash
1 x 300µl = 7 seconds
- 96 well plate wash
3 x 300µl = 17 seconds
- 384 well plate wash
3 x 75µl = 38 seconds

Code	Product
14000325	Zoom Microplate Washer, 96-channel wash head for 96/384-well plates

NEW! MagCore Plus II Automated Nucleic Acid Extractor

Key Features

- Rapid and reliable results in 40 minutes
- Flexible design: samples can be run without waste of resources
- Versatile gDNA from whole blood and tissue samples, viral RNA from serum, total RNA from cells +many more – ready to use kits available
- CE IVD extraction kits



Code	Product
MCA1603	MagCore HF16 PLUS (Programs build-in / UV Light) - 16 channels
MCA1602	MagCore Super (Spectrophotometer/ Thermal Printer/Barcode) - 16 channels
MCA1605	MagCore Plus II (Programs build-in / UV Light / LIMS Connectivity / Remote HMI)

NEW! QuantGene 9600 qPCR instrument

Key Features

- Japanese design
- Large touchscreen – can be used as stand alone or uploaded PC edited programmes
- Modular design – configuration options
- 6-partition independent temperature control
- 6- channel configuration
- Top detection – no calibration required



Code	Product
FQD-96C	QuantGene 9600 – 5 channels
FQD-96C	QuantGene 9600 – 4 channels

BMS Mic - Fast, Accurate, Compact

The world's first Magnetic Induction Cyclers.
The box is small, the ideas big.

Key Features

- **Speed** – Mic uses patented magnetic induction, this means fast qPCR results through rapid heating and cooling, with 35 cycles possible in under 25 minutes
- **Accuracy** – Delivers unrivalled reproducibility between samples, runs and instruments
- **No service charge** – No need to calibrate ever!
- **Size** – Mic takes up less space on the bench than your lab book, weighing in at just 2kg
- **Connectivity** – Multiple Mic instruments can be operated from one workstation, so 48 becomes, 96 and 96 becomes 192.



Code	Product
MIC-2	Mic-2 Channel 0.1C uniformity
MIC-4	Mic-4 Channel 0.1C uniformity
MIC-4+HRM	Mic-4 Channel with HRM 0.05C uniformity

Ask your local sales representative about a reagent deal or demo!

NEW! Myra Liquid Handler

Key Features

- Small foot print – less than 1700cm²
- UV light and HEPA filter included
- Pain-free calibration
- Best in class accuracy and precision of <10% for 1ul pipetting volumes
- Liquid level sensing using conventional tips
- Upgradeable



Code	Product
MYRA-LHS50	Myra Liquid Handling System 50ul pipette head

FASTER PCR Cabinet - SmartFAST

Key Features

- **Ergonomic Design:** Angled 7° sloping front for optimum visibility
- **Economic and easy-to-place:** SmartFAST are compact with overall width dimension of 830mm that allow to place the cabinet also in restricted spaces.
- **Power Saving** – the ECS Eco Control System employs the latest innovative methods of integrated management of all principle functions, optimising power consumption, and reducing CO2 emissions
- **Anti Bacterial Coating** – Exclusive Dupont™ ALESTA® anti-bacterial coating prevent microbial contamination of surfaces thereby inhibiting long term surface growth
- Electrical socket fitted as standard.



stand is not included

Code	Product
F00012100000	SmartFAST Vertical Laminar Flow Cabinet, 0.8m

FASTER PCR Cabinet - PCRFAST

Key Features

- Timer controlled LED UV lamps
- White LED light
- Electrical socket included
- Option – ventilation kit included H14 HEPA filtration, digital display and automatic regulation



Code	Product
PCRFAST	PCRFAST Cabinet

NanoDrop 2000

Key Features

- Auto-ranging pathlengths
- No Need for Dilutions
- Patented Sample- Retention Technology
- Accurate and Reproducible Data
- Cuvette Option
- Greater Assay Flexibility
- PC Control
- Flexible Data Handling and User Management

Already have a Nanodrop 1000 - contact your local sales rep to hear about our trade in offer



Code	Product
Nano2000	Nanodrop2000

Jenway Micro-volume Spectrophotometer



Code	Product
747 501	Model 7415 Nano Micro Volume single beam, UV/visible scanning spectrophotometer, White. Fitted with 10x10mm cuvette holder, and supplied with a universal power supply and an instruction manual

Heat sealing is the gold standard method for plate and tube sealing. Preventing sample loss and maximising sample security by facilitating 100% complete seal and preventing evaporation, leakage and contamination.

Key Features

- 7" High Definition colour touchscreen display
- Android operating system
- Features CPLive®
- Ideal for DNA, RNA and Protein measurements
- Only 0.5µl sample volume required
- Purity scan over entire wavelength range, 198 to 1000nm
- Quick and easy to clean
- Detects DNA concentrations as low as 2ng/µl
- Multiple USB ports for data storage and printer connectivity
- Multi-language options including English, French, German, Spanish and Italian
- Internal memory for methods and results (10GB onboard storage)
- 3 year warranty including Xenon lamp

THERMAL CYCLERS AND PLATE SEALERS

NEW! GeneExplorer Thermal Cycler

Key Features

- Faster heating (6°C) and cooling (5°C) rate
- User friendly interface
- Smart phone app available
- Gradient thermal cycler
- 48, 96 or 384 well option



Code	Product
GE-96G	GeneExplorer, 96 well gradient thermal cycler

4Ti Plate Sealers



A4S Fully Automated



4s3 Semi Automated

Code	Product
4ti-0665	A4S Fully Automatic Plate Heat Sealer
4ti-0655	4s3 Semi Automated Heat Sealer

Heat sealing is the gold standard method for plate and tube sealing. Preventing sample loss and maximising sample security by facilitating 100% complete seal and preventing evaporation, leakage and contamination.

Key Features

- Simple installation
- Sealing time less than 15 seconds
- Compatible with a wide range of plates, from racked tubes to 1536 well PCR plates

Labnet ENDURO Horizontal Electrophoresis Systems



Now with combs, gel tray, casting gates and loading guides as standard!

Code	Product
E1007-7	Enduro 7.7 Horizontal Gel Box 7 x 7 cm
E1007-10	Enduro 7.10 Horizontal Gel Box 7 x 10 cm
E1010-10	Enduro 10.10 Horizontal Gel Box 10 x 10 cm
E1015-10	Enduro 15.10 Horizontal Gel Box 15 x 10 cm
E1015-15	Enduro 15.15 Horizontal Gel Box 15 x 15 cm
E1020-20	Enduro 20.20 Horizontal Gel Box 20 x 20 cm



Labnet ENDURO PAGE & Western Blotting Systems

Code	Product
E2010-PA	Enduro PAGE system (2 Gel capacity), includes 2 x notched plates, 2 x plates with spaces, 2 x 12 well combs, PAGE module and casting base

ATTO Dual Slab PAGE Electrophoresis System



Key Features

- Up to 2 x 9cm gels
- High quality best-selling model
- Simple set-up with no leak specifications

Code	Product
2322198	WSE-1165W (AE6500) Vertical Dual Mini Slab Electrophoresis Kit

Spare parts available!

Vilber Gel Doc E-Box

Key Features

- Performance – Scientific grade camera, with 5MP extendable to 20MP
- Ease of use – Stand alone system, no computer required. Auto-exposure and automatic illumination
- Complete & Practical – Small footprint, complete network connectivity
- Long lasting high quality – Very large 2.6" touchscreen display

Perfect for DNA, RNA and Protein electrophoresis

Used in clinical and industrial labs in Ireland



Ask your local sales representative for a demo

Code	Product
161121031	E-BOX-CX5.TS-26.MX Fluorescence System, Slide-out table, no protection screen including Superbright Pad

Vilber Gel Doc Quantum

Key Features

- Easy and Intuitive - One click to image - automatic control of the camera, lens and lighting for an unrivalled ease of use
- Ideal for quantification - reproducible and comparable quantification data
- Upgradeable -optional epi-or trans-illumination options
- Complete and practical- small footprint with large door opening



*screen is not included

Code	Product
161121031	Quantum CX5 Edge - PadBox, no protection screen, including Superbright Pad

Chemiluminescent and Fluorescent Imager - Fusion FX6

Features

- 10-20MP camera resolution
- Smart inside: Auto-exposure and auto-focus with automatic light illumination
- Best Sensitivity: Better sensitivity than film, one click image
- Ideal for Quantification: Reproducible and comparable quantification data
- Long Lasting High Quality: Proven camera robustness
- **Reference site in NUIG and NCRC – ask your local rep for a demo!**



screen not included

Product Code	Description
1511 9200 1	FUSION-FX6.EDGE V.070, chemiluminescence only
1511 2200 1	FUSION-FX7.EDGE V.070, chemiluminescence only

NEW! Newton 7.0 Animal Imager

Features

- Up to 5 mice capacity
- Heated animal bed
- Ultimate sensitivity with the widest lens aperture f/0.70
- 1o Scientific grade CCD camera and -90°C cooling
- Bioluminescence detection: femtogram level
- Fluorescence detection: picogram level
- 3D topical tomography
- Intuitive and user-friendly software



screen not included

Product Code	Description
9911 7230 1	NEWTON 7.0 BT400, Bioluminescence detection, max field of view 20x20cm, motorised stage, heated animal bed, animal breather

Automatic Stainer Giotto

Automatic stainer for histological, cytological and histochemical slide staining, ideally suited. With the flexibility of the software and reliability of the manufacture, the Giotto is ideal for both small and large routine staining demands, and ensures the staining quality is outstanding and reproducible.

Functions

- Reagent level detection system constantly maintains reagents and stains at an adequate level
- STAIN ID technology: technology that automatically identifies and handles and related protocols
- The quiet robotic arm is highly efficient and works swiftly and precisely to reduce the need to clean both the reservoirs and instrument
- S3, Simultaneous Staining Scheduler: innovative software for an optimized management of racks, ensuring staining priorities and timings
- Water Pressure System: sensor reporting a possible missing water flow
- Smart LED System: system status controlled by a smart system that warns operator with acoustic and visual signals



Reference site in NUIG

Code	Product
SDSGT9000	Automatic Stainer Giotto

NEW! Donatello Tissue Processor

Key Features

- Closed-cycle floor processor
- Stainless steel processing chamber, with capacity of 8 litres, can hold up to 405 samples
- Multi-sense technology – choose the most suitable configuration for the labs routine
- RFID identification of reagent tanks
- Traceability of processed samples
- Seflcheck+ - self-diagnosis technology of the sensitive parts of the instrument



Code	Product
SDSDN9000	Automatic tissue processor DONATELLO series 2, accessories not included

Galileo Auto Microtome

- The new rotary microtomes line Galileo Series 2 is designed to meet requirements of precision, reliability, safety and assure the best performances in histological samples cutting.
- Galileo AUTO Series 2 is a fully automatic rotary microtome with great histological sample cutting (in 0.5 µm increments) with attention and precision according to the high standards for user's safety.
- Galileo AUTO Series 2 can be used both in automatic and semi-automatic mode, assuring maximum flexibility of use.
- The handwheel is equipped with an innovative system to give a smooth assisted-handwheel running: it supports the operator during the manual working, enables user comfort with a safe and smooth sectioning improving operator's work condition and productivity.



Code	Product
SDSGA9001	Fully automated microtome Galileo AUTO – with low profile blade holder

Microtome Blades

- Disposable blades for rotary and sliding microtome.
- High cutting performance
- Excellent sectioning quality
- Made of high quality steel mixture
- Patented film coating that maximizes product life and reduces friction and compression on the tissues
- High precision cutting
- Practical manual dispenser that avoids the contact of the operator with cutting surface during extraction



Code	Product
05500N	Diacut 35 Ultra Plus, 50 blades per pack

NEW! Tissue Floating Bath

Key Features

Floating bath for flatterring out and drying histological sections.

- Casing made of stainless steel
- Dazzle-free water surface illuminated from below
- Pyrex removable glass tray
- Digital electronic temperature control with probe and safety interlock
- Generous surface for slide accommodation



Code	Product
53DPH35000	Flotation bath DPH 35

NEW! ENBIO S Autoclave

Key Features

- Small footprint
- Quiet operation
- Class B
- Sterilise medical instruments in just **7 minutes!**



Code	Product
ST01	Enbio S Autoclave

Omni Bead Ruptor Elite

Key Features

- Wide range of accessories for any sample size - 24 x 0.5 mL, 24 x 1.5 mL, 24 x 2 mL, 12 x 7 mL, 3 x 15 mL, 6 x 30 mL, 3 x 50 mL, or 96-well strip well tubes.
- Most powerful bead mill on the market – homogenize the most challenging samples
- New touch screen interface
- Optimate™ software
- No cool down required between runs: process hundreds of samples per day
- Convenient front loading design, 99 programmable memory settings, and multilingual user interface
- Features an integrated lid lock to prevent lid opening during operation
- Ideal homogenizer for extraction of DNA, RNA, proteins, and small molecules



Code	Product
19-040E	Bead Ruptor 24 Elite Drive Unit (Tube Carriage Sold Separately)
19-010-310	2mL Screwtop Tube Carriage Kit

Number of other accessories available

Hand-held Tissue Homogeniser

Key Features

- Processing Range: 200 µL to 5 L
- Speed: Variable from 5,000 to 25,000 rpm
- Power Rating: 850 watt max
- Compliance: CE approved
- Timer: to 9:59
- Warranty: 2 year warranty

Omni Tips™ plastic disposable generator probes are available to completely eliminate the risk of carryover and cross contamination between samples. (adapter required).



Code	Product
TH220	220 volt Omni Tissue Homogeniser
TH220-PCR	Omni tip kit TH Tissue Homogeniser & 6 soft and 6 hard tissue tips
TH220-PCRD/H	TH Tissue Homogeniser + Soft/Hard Tissue stainless steel probe, choose from (5x75mm, 5x95mm, 10x95mm)

NEW! Sonicator

Key Features

- Variable power to 400 watts
- Process 250 µl to 1 L
- Automatic tuning for easy interchange of probe tips
- Pulse mode power allows samples to be processed while limiting temperature rise
- Integrated timer with adjustable power
- Sound abatement chamber with clear plexiglass door
- Wide range of accessories including sound abatement chambers and continuous flow chambers



Code	Product
OR4000-220	220 volt Omni Ruptor 4000 Ultrasonic Homogenizer

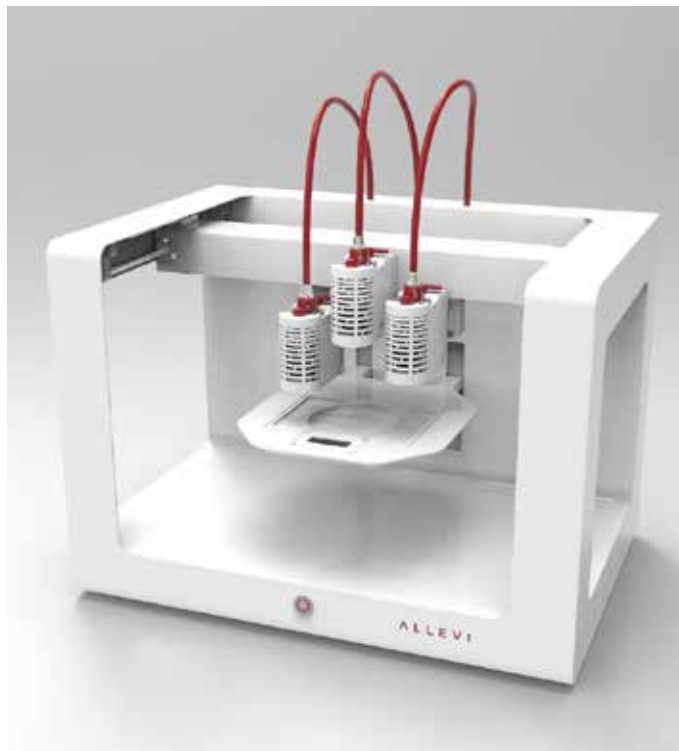
3D PRINTER

NEW! Allevi 3 3D Bioprinter

The Allevi 3 bioprinter empowers you to print any cell line, into any geometry for any application that you can imagine. Allevi 3 will exceed your needs today and has the versatility to grow with your work.

Key Features

- Easy and convenient to use
- Built-in PCR/qPCR set-up protocols can be quickly modified
- Single and 8-channel, 50µl or 200µl automated pipetting modules
- 4 interchangeable standard microplate/tip rack adapter and 2 interchangeable reagent vessel adapters available
- Easy to service
- Accurate and precise
- Excellent results for qPCR standard curve and replicates
- Better precision of pipetting results than manual pipetting
- Affordable solution
- The most affordable pipetting system available
- Save reagent costs by human error reduction and low volume PCR plates



Designed and optimized for

- Biomedical devices
- Bone and cartilage
- Dentistry
- Disease modeling
- Drug testing
- Electroactive tissue
- Heart valves
- Microfluidics
- Organoids
- Organ on a chip
- Pharmaceutical development
- Soft tissues
- Tissue engineering
- Thin layers
- Regenerative medicine
- Vasculature

- **Three Extruder System**
Easily and quickly print multi-cell tissues with three extruders. Incorporate vasculature into thick tissues, print supports for complex geometries or combine thermoplastics with vascularised soft-tissues.
- **Heated Print Bed**
Print bed has a temperature control from room temperature to 60o to keeps cells viable for longer print sessions, and the bed is compatible with petri dishes, well plates and glass slides
- **Autocalibration**
Simply press calibrate and let the Allevi 3 bioprinter to do all the work
- **Photocuring**
With the Allevi 3 bioprinter you can choose to cure biomaterials in either visible or UV light. Each extruder houses two separate LEDs in the ranges of 365nm and 405nm
- **Temperature Control**
Temperature control from 4oC to 160oC, the Allevi 3 bioprinter is able to print a wide range of bio-inks, including collagen solutions, Matrigel solutions, gelatin methacrylate, alginate, graphene, carbohydrate glass, polycaprolactone (PCL), and PLGA - to name a few!

MSC reserves the right to change this promotion at any time.
All prices correct at time of printing and Ex VAT. Delivery Charges Not Included.

