

Equipment Promo Sep18 - Aug19

Offer valid until 31st August 2019

2018



MSC now has a clean air service division, for commissioning and validation of Biological Safety Cabinets and laminar flow hoods.

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 31/08/2019

REMOTE MONITORING

Monitor temperature, humidity,
Gas, Oxygen, CO₂, Door opening,
Kw/h.

Tutela Genesis III is our most evolved wireless monitoring system for scientific and medical inventory yet and, being web-based, offers truly 'plug and play' compatibility, scalability and secure web access.



- Designed specifically for the Life Sciences
- Web-based technology brings significant benefits
- No on-site PC hardware and software to manage/validate
- Intuitive web interfaces
- No hidden software upgrade fees
- Tutela is listed on the NHS Supply Chain
- Tutela is the only Supply Chain provider of monitoring systems with N3 Cloud Integration

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	Offer Price
5601	OP2 (0.1-2ul)	€82
5602	OP10 (0.5-10ul)	€82
5603	OP20 (2-20ul)	€82
5604	OP100 (10-100ul)	€82
5605	OP200 (20-200ul)	€82
5606	OP1000 (100-1000ul)	€82
5608	OP5000 (1000-5000ul)	€82
5609	OP10000 (1000-10000ul)	€82
7912	Starter Pack: OP10, OP20, OP200, OP1000 + Stand	€315

HTL Labmate Pro



Key Features

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

Code	Product	Offer Price
5661	LMP2 (0.1-2ul)	€99
5662	LMP10 (0.5-10ul)	€99
5663	LMP20 (2-20ul)	€99
5664	LMP100 (10-100ul)	€99
5665	LMP200 (20-200ul)	€99
5666	LMP1000 (100-1000ul)	€99
5668	LMP5000 (1000-5000ul)	€99
5669	LMP10000 (1000-10000ul)	€99
7905	Starter Pack: LMP10, LMP20, LMP200, LMP1000 + Stand	€399

HTL Discovery Pro



Key Features

- 4-digit counter
- Self-calibration kit included
- Volume locking system
- Ultra-light weight
- Fully autoclavable

Code	Product	Offer Price
6001	DP2 (0.1-2ul)	€125
6002	DP10 (0.5-10ul)	€125
6003	DP20 (2-20ul)	€125
6004	DP100 (10-100ul)	€125
6005	DP200 (20-200ul)	€125
6006	DP1000 (100-1000ul)	€125
7903	Starter Pack: DP10, DP20, DP200, DP1000 + Stand	€495

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	Offer Price
390	Swiftpet Pro Pipette Controller (incl. charging stand)	€185

HTL AND LABNET LIQUID HANDLING - ELECTRONIC AND MULTICHANNEL OPTIONS

Code	Product	Offer
6281	LMP8-10 8-Channel Pipette (0.5-10ul)	€349
6282	LMP8-50 8-Channel Pipette (5-50ul)	€349
6283	LMP8-200 8-Channel Pipette (20-200ul)	€349
6284	LMP8-300 8-Channel Pipette (50-300ul)	€349
6285	LMP12-10	€389
6286	LMP12-50 12-Channel Pipette (5-50ul)	€389
6287	LMP12-200 12-Channel Pipette (20-200ul)	€389
6288	LMP12-300 12-Channel Pipette (50-300ul)	€389

Code	Product	Offer
4951	DP8-10 8-Channel Pipette (0.5-10ul)	€365
4952	DP8-50 8-Channel Pipette (5-50ul)	€365
4953	DP8-200 8-Channel Pipette (20-200ul)	€365
4954	DP8-300 8-Channel Pipette (50-300ul)	€365
4955	DP12-10 12-Channel Pipette (0.5-10ul)	€395
4956	DP12-50 12-Channel Pipette (5-50ul)	€395
4957	DP12-200 12-Channel Pipette (20-200ul)	€395
4958	DP12-300 12-Channel Pipette (50-300ul)	€395

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



Features

- 8 and 12-channel options
- Super low pipetting forces
- Ultra light weight
- 4-digit counter
- Self-calibration kit included
- Fully autoclavable

HTL Discovery Pro Multichannel Pipettes



Labnet Excel Electronic Pipettes



Key Features

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

Code	Product	Offer
SINGLE CHANNEL		
P3600L-10-	Electronic Pipette, 0.5 to 10ul, single channel	€299
P3600L-20-	Electronic Pipette, 2 to 20ul, single channel	€299
P3600L-200-	Excel Electronic Pipette, 10 to 200ul, single channel	€299
P3600L-1200-	Electronic Pipette, 100 to 1200ul, single channel	€299
8 CHANNEL		
P3608L-10-	Excel Electronic Pipette, 0.5 to 10ul, 8 channel	€599
P3608L-20-	Excel Electronic Pipette 2 to 20 µl, 8 channel	€599
P3608L-200-	Excel Electronic Pipette, 10 to 200ul, 8 channel	€599
P3608L-1200-	Excel Electronic Pipette 100 to 1200ul, 8 channel	€599
12 CHANNEL		
P3612L-10-	Excel Electronic Pipette, 0.5 to 10ul, 12-channel	€699
P3612L-20-	Excel Electronic Pipette, 2 to 20 µl, 12 channel	€699
P3612L-200-	Excel Electronic Pipette, 10 to 200ul 12-channel	€699
P3612L-1200-	Excel Electronic Pipette, 100 to 1200ul, 12-channel	€699

Haier -86°C ULT Freezers

World leading capacity and energy efficiency

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**

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



Energy Verified



Code	Product	Power Consumption	2" Box Capacity	List Price	Offer Price
DW-86L388J	Haier 388L -86°C ULT Freezer (Low Energy Model)	8Kw/24hr	240	€6,190	€4,800
DW-86L486	Haier 486L -86°C ULT Freezer	14Kw/24hr	320	€7,080	€5,500
DW-86L490J	Haier 490L 2-door -86°C ULT Freezer (Low Energy Model)	11Kw/24hr	320	€7,960	€6,190
DW-86L578J	Haier 578L -86°C ULT Freezer (Low Energy Model)	8.5kw/24hr	400	€9,380	€7,290
DW-86L628	Haier 628L -86°C ULT Freezer (BEST SELLER!)	18Kw/24hr	400	€7,960	€6,190
DW-86L728J	Haier 728L -86°C ULT Freezer (Low Energy Model)	10.5Kw/24hr	500	€9,910	€7,700
DW-86L828J	Haier 828L -86°C ULT Freezer (Low Energy Model)	10.5Kw/24hr	600	€1,0260	€7,980
HBX-IC	CO2 Back-up system			€1,600	€1,250

COOL FACT! Did you know that MSC have 4 factory trained service engineers based in Dublin?

Smart Frequency -80°C ULT Freezers

Key Features

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

- **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 $\pm 3^{\circ}\text{C}$
- **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.



**Touch Screen
Available in
December**



Code	Product	Power Consumption	2" Box Capacity	List Price	Offer Price
DW-86L829BP	Haier 829L Smart Frequency -80°C ULT Freezer (Ultra Low Energy)	8.2Kw/24hr	600	€12,740	€9,900
DW-86L829BP-T	Haier 829L Smart Frequency -80°C ULT Freezer (Ultra Low Energy) With touchscreen	8.2Kw/24hr	600	€12,910	€10,100
DW-86L959BP	Haier 959L Smart Frequency -80°C ULT Freezer (Ultra Low Energy)	10.2Kw/24hr	700	€13,980	€10,900
DW-86L959BP-T	Haier 959L Smart Frequency -80°C ULT Freezer (Ultra Low Energy) With touchscreen	10.2kw/24hr	700	€14,150	€11,200

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



Freezer Compatibility

Haier | Angelantoni
Thermo Revco | Thermo Forma
FisherBrand | VWR
ESCO | New Brunswick (Eppendorf)
Telstar | Sanyo/Panasonic

Racking for Haier -86°C ULT Freezers

Code	Product	Offer Price
DCJ-44-A	Haier Standard Steel Rack for 2" Vials	€79
DCJ-44-B	Haier Comfort Steel rack with sliding drawers for 2" Vials	€90

NEW! Haier Laboratory Refrigerators

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



Code	Product	List Price	Offer Price
HLR-198F	Haier 198L Laboratory Refrigerator 3-16°C	€710	€550
HLR-310F	Haier 310L Laboratory Refrigerator 3-16°C	€800	€620

Key Features

- **Wide Temperature Range** – 3-16°C temperature range
- **Precise Temperature Control** – Internal temperature variation is within 3°C for professional temperature uniformity
- **Energy Saving and Environmentally Friendly** – Hydro carbon cooling system and energy saving motor
- **Multiple Alarms** – including hi 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	List Price	Offer Price
HLR-118SF	Haier 118L Internal Spark Free Lab Refrigerator (3-16°C)	€940	€730
HLR-118FL	Haier 118L Internal Spark Free Lab Refrigerator (3-16°C) black anti-static interior	€1,010	€785
HLR-310SF	Haier 310L Internal Spark Free Lab Refrigerator (3-16°C)	€1,280	€990
HLR-310FL	Haier 310L Internal Spark Free Lab Refrigerator (3-16°C) black anti-static interior	€1,370	€1,060
DW-25L92SF	Haier 92L Internal Spark Free Lab Freezer (-10 to -25°C)	€710	€550
DW-25L92FL	Haier 92L Internal Spark Free Lab Freezer (-10 to -25°C) black anti-static interior	€980	€755
DW-25L278SF	Haier 278L Internal Spark Free Lab Freezer (-10 to -30°C)	€1,950	€1,515
DW-25L278FL	Haier 278L Internal Spark Free Lab Freezer (-10 to -30°C) black anti-static interior	€2,220	€1,720

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	YDS-50B-125-F
Capacity	L	30	35	35	47	50
Static Evaporation Loss	L/d	0.28	0.29	0.35	0.33	0.37
Static Hold Time	d	71	76	63	90	85
Numbers of Square Canister Racks	EA	6	6	6	6	6
Number of boxes per holder	box	4	5	5	6	6
1.2&2ml vial capacity	EA	600	750	750	900	900
Offer Price		€1,150	€1,250	€1,600	€1,250	€1,800

CoolCell Preservation

Key Features

- No alcohol – no ongoing cost, no maintenance, no waste
- High reproducibility
- Re-use after only 5 minute wait
- No “frosty” fingers – not cold to touch even when frozen
- Lid opens easily even when frozen



Every order receives a **FREE** cryogenic vial gripper



Code	Product	List Price	Offer Price
BCS-405	CoolCell LX, purple holds 12 vials	€250	€185
BCS-405G	CoolCell LX, green holds 12 vials	€250	€185
BCS-405O	CoolCell LX, orange holds 12 vials	€250	€185
BCS-405PK	CoolCell LX, pink holds 12 vials	€250	€185
BCS-170	CoolCell FTS30, purple holds 30 vials	€660	€506
BCS-170O	CoolCell FTS30, orange holds 30 vials	€660	€506
BCS-170G	CoolCell FTS30, green holds 30 vials	€660	€506
BCS-170PK	CoolCell FTS30, pink holds 30 vials	€660	€506

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 London"



MSC has acquired Isolation Technologies and can now provide commissioning and servicing of LAFs and BSCs.

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

Code	Product	List Price	Offer Price
F00001110000	SafeFAST Classic 209, 3ft/0.9m	€5,920	€5,130
F00001140000	SafeFAST Classic 212, 4ft/1.2m	€6,200	€5,370
F00001200000	SafeFAST Classic 218, 6ft/1.8m	€7,600	€6,590

Optional Accessories: UV, stand, taps and more

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	List Price	Offer Price
F00012100000	SmartFAST Vertical Laminar Flow Cabinet, 0.8m	€3,360	€2,900

NEW Invivo2 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 chambers available for multiple atmospheres

INVIVO₂ Compact workstation

BAKER RUSKINN

Invivo₂

Code	Product	Offer Price
Invivo2 400	NEW Invivo2 400 Compact with ICONIC (H ₂ /N ₂ ; CO ₂ ; N ₂ ; Air) gas mixer	€29,999
Invivo2 500	NEW Invivo2 500 with ICONIC (H ₂ /N ₂ ; CO ₂ ; N ₂ ; Air) gas mixer	€39,999
Invivo2 1000	NEW Invivo2 1000 Dual Chamber Workstation with ICONIC (H ₂ /N ₂ ; CO ₂ ; N ₂ ; Air) gas mixer	€59,999

NEW! Condocell - Luxury accommodation for cells

Key Features

- Ideal for continuous physoxia/hypoxia studies
- Constant Physiological culture is now possible for all laboratories
- 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
- Precision delivery of gas *dependent on the incubator it's placed in
- Precision control of gas *within the specification of its housing incubator
- Increases productivity allowing researchers to complete additional work
- Filtered, protected and contained environment for you and your cells



Code	Product	Offer Price
Condo-001	Condocell (includes 1 unit, with glass plate, internal 0.2um particulate filter, and connectors for easy connection to ACU)	€810
Condo-001	Condocell (includes 6 units, with glass plate, internal 0.2um particulate filter, and connectors for easy connection to ACU)	€4,830
ACU-001	Atmosphere conditioning unit (includes 6 connectors and tubing for easy connection to 6 Condo-cells) and power lead	€1,930

Allsheng 7K Minifuge



Code	Product	Offer Price
AS-08070-00	Mini 7k centrifuge, 6,000 rpm with 6 x 1.5ml rotor and adapters for 0.5ml strip tubes	€195

Allsheng 15K Centrifuge



Code	Product	Offer Price
AS-08110-00	Mini 15k centrifuge; 15,000rpm, 12 x 1.5/2.0mL tube rotor, rcf-rpm conversion, LCD display	€495

Labnet Spectrafuge 24D Microcentrifuge



Code	Product	Offer Price
C2400-B-230V	Spectrafuge 24D, 13,300rpm, complete with 24 x 1.5ml rotor	€1,075

Labnet MPS 1000 Mini PCR Plate Spinner



Code	Product	Offer Price
C1000-230V	Plate Spinner Centrifuge, 2 x plate capacity	€ 480

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	Offer Price
AS-08130-00	iCEN24R, 14,000rpm with 24x1.5/2.0ml rotor	€2,440

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	List Price	Introductory Price
10150R/2-5	Refrigerated laboratory centrifuge MPW-150R	€3,995	€2,750
11461	Angle rotor 24 x 2/1,5ml, with Hermetically Sealed Lid	450	€250

260/260R Desktop Centrifuges

Key Features

- Max capacity: 500ml
- Speed: 100 - 18,000 rpm (24088 x g)
- Timer: 0 - 99min 59s, or ∞, 1s interval
- Air-cooled and refrigerated (-20°C - +55°C) versions available
- Huge range of rotors, adapters and accessories available



Code	Product	Offer Price
10260/2-56	MPW 260	€ 1,960
10260R/2-5	MPW 260R	€ 2,999
Rotor Bundle Options		
11213C/B	8 x 50ml fixed angle rotor complete with 8 x 15ml tube adapters (14089) + sealed lid	€699
12183	4 x 100ml swing-out rotor complete with adapters for 4 x 50ml + 4 x 15ml tubes and sealed lid	€899
12218C	Microtiter rotor head complete with 2 hangers 13219 for microtiter plates	€299
Huge range of fixed angle/swing-out rotors + adapters for 1.5ml, 2ml, 5ml, 7ml, 10ml, 14ml, 15ml, 25ml, 30ml, 50ml, vacutainers tubes etc		

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	Offer Price
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10352/2-56	MPW 352	€ 2,250
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10352R/2-5	MPW 352 R	€ 3,500
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Rotor Bundle Options

11457	Angle rotor 6 x 50ml for Falcon® tubes complete with Hermetically Sealed Lid and 6 x 15ml adapters	€ 649
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12177	Swing-out rotor 4 x 250ml complete with 13180 8 x 50ml adapters and 14089 8 x 15ml adapters	€ 980
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12451C	Microtiter, swing-out rotor head, complete with 2 buckets 13307 for microtiter plates	€ 550
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Huge range of fixed angle/swing-out rotors + adapters for 1.5ml, 2ml, 5ml, 7ml, 10ml, 14ml, 15ml, 25ml, 30ml, 50ml, vacutainers tubes etc

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	Offer Price
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10380/2-56	MPW 380	€ 4,200
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10380R/2-56	MPW 380R	€ 6,500
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Rotor Bundle Options

11776	Angle rotor 8 x 50ml for Falcon® tubes complete with Hermetically Sealed Lid and 8 x 15ml tube adapters (14089)	€ 575
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12870	Swing-out rotor 4 x 500ml with 28 x 15ml Falcon holders and 24 x 50ml Falcon holders	€ 1,850
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12787C	Microtiter rotor, complete with 13286 hangers for microtiter plates	€ 1,060
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Huge range of fixed angle/swing-out rotors + adapters for 1.5ml, 2ml, 5ml, 7ml, 10ml, 14ml, 15ml, 25ml, 30ml, 50ml, 100ml, 250ml tubes/bottles, vacutainers etc

Hitachi CR22N High Speed Refrigerated Floor Standing Centrifuge

Key Features

- 22,000rpm/55,200g and temperature control from -20 to +40 °C
- Compact Body, Larger Capacity. Max volume 6L
- Self-locking rotor system
- Economy mode (automatic standby function) with re-generating brake system



Code	Product	List Price	Offer Price
903350C2	High Speed Refrigerated Centrifuge capable of speeds up to 22,000 rpm with 6L max capacity.	€19,320	€15,999
Rotor Bundle Options			
904295D0	8x50ml Fixed Angle Rotor (20,000 rpm/48,000g)	€3,240	€ 2,740
904306D0	4 x 250ml Fixed Angle Rotor (14,000 rpm/30,200g)	€4,140	€ 3,500
904365D1	6 x 500ml Fixed Angle Rotor (10,000 rpm/18,800g)	€7,060	€ 5,999
904364D0	4 x 1L Fixed Angle Rotor (9,000 rpm or 15,300g)	€10,140	€ 8,599
904374D0	4 x 1.5L Fixed Angle Rotor	€18,060	€ 15,300
Lots more fixed angle/swing-out rotors + adapters available			

Hitachi CS150NX Ultra Centrifuge

Key Features

- 150,000rpm/ 1,050,000 x g
- Max capacity 30ml x 6 tubes
- Touch screen LCD control
- automatically maintain rotor logging history maximizing rotor life
- Available in benchtop or floor-standing configuration



Code	Product	Offer Price
901097C1	Micro-Ultra Centrifuge	€33,700
Rotors	Large range of rotors available	€POA



NEW! CO2 Incubators from GS Biotech

Optimum chamber environment, profiled heating creates gentle circulation – no 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	List Price	Offer Price
170L Silver	GS Biotech 170L Silver Standard temperature and decontamination	€4,970	€4,450
48L Silver	GS Biotech 48L Silver Standard Temperature and decontamination	€4,500	€4,050
14L Standard	GS Biotech 14L Standard temperature (no decontamination)	€3,540	€3,200

NEW! Hypoxic Incubators from GS Biotech

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
- Range of O2 levels, from 0.1-19%
- Seamless chamber with rounded interior making cleaning easy
- CO2 range programmable from 0.2 to 20



Code	Product	List Price	Offer Price
170L Gold	GS Biotech 170L Gold Standard Temperature, decontamination and O2 control from 0.1-19%	€6,350	€5,680
48L Gold	GS Biotech 48L Gold Standard Temperature, decontamination and O2 control from 0.1-19%	€5,640	€5,045
14L Gold	GS Biotech 48L Gold Standard Temperature and O2 control from 0.1-19%	€4,580	€4,095

Numerous installation sites in Ireland

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 99.99 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	List Price	Offer Price
ZXRD-B5030	Horizontal Airflow Forced-air Drying Oven, 30L, 220V, CE +5 to +200oC	€1,233	€999
ZXRD-B5055	Horizontal Airflow Forced-air Drying Oven, 55L, 220V, CE +5 to +200oC	€1,377	€1,299
ZXRD-B5110	Horizontal Airflow Forced-air Drying Oven, 110L, 220V, CE +5 to +200oC	€1,710	€1,399
ZXRD-B5210	Horizontal Airflow Forced-air Drying Oven, 210L, 220V, CE +5 to +200oC	€2,142	€1,999

Heated and Cooled Laboratory Incubators

Code	Product	List Price	Offer Price
ZXDP-B2050	Heated Incubator 50L with LCD Display, 220V, CE Ambient +5 to +65°C	€1,170	€999
ZXDP-B2080	Heated Incubator 80L with LCD Display, 220V, CE Ambient +5 to +65°C	€1,323	€1,099
ZXDP-B2120	Heated Incubator 120L with LCD Display, 220V, CE Ambient +5 to +65°C	€1,584	€1,299
ZXDP-B2160	Heated Incubator 160L with LCD Display, 220V, CE Ambient +5 to +65°C	€1,800	€1,499
ZXDP-B2270	Heated Incubator 270L with LCD Display, 220V, CE Ambient +5 to +65°C	€2,214	€1,799
ZXSD-B1090	Compressor-cooled Forced-air Incubator, 90L, with LCD Display, 220V, CE 4 to +65°C	€3,384	€2,699
ZXSD-B1160	Compressor-cooled Forced-air Incubator, 160L, with LCD Display, 220V, CE 4 to +65°C	€4,257	€3,399
ZXSD-B1270	Compressor-cooled Forced-air Incubator, 270L, with LCD Display, 220V, CE 4 to +65°C	€5,103	€4,099
ZXSD-R1430	Compressor-cooled Forced-air Incubator, 430L, with touch screen Display, 220V, CE 4 to +65°C	€5,670	€4,599

Benchtop Shaking Incubators

Code	Product	Offer Price
ZWY-103B	Benchtop Incubator Shaker, includes one platform, & 4x50ml, 4x100ml, 3x250ml, & 3x500ml clamps, CE, Temp Ambient +5 to 60oC	€2,300
ZWY-200D	Benchtop Incubator Shaker, includes universal rack, & 5x50ml, 5x100ml, 4x250ml, & 3x500ml clamps, CE, Temp +4 to 60oC	€3,995



Floorstanding Shaking Incubators

Code	Product	Offer Price
ZWYR-D2401	Stackable incubator shaker (touch screen version), Single Stack, inc 1 platform, CE Temperature Range +4 to 60oC, 30-300rpm	€8,850
ZWYR-D2402	Stackable incubator shaker (touch screen version), Double Stack, inc 1 platform, CE Temperature Range +4 to 60oC, 30-300rpm	€17,690
ZWYR-D2403	Stackable incubator shaker (touch screen version), Triple Stack, inc 1 platform, CE Temperature Range +4 to 60oC, 30-300rpm	€26,550
ZWYR-211C	Floor standing shaking incubator (touch screen version), Hand hold opening, CE Temperature Range +4 to 60oC, 30-300rpm	€7,400
ZWYR-211D	Floor standing shaking incubator (touch screen version), Foot Pedal Opening, CE Temperature Range +4 to 60oC, 30-300rpm	€9,600



**Three installations in Ireland, DCU, CIT and DIT
- contact your local rep for a reference**

Allsheng Heating Blocks/Dry Baths



MinT H3 with 3 individually controlled heating blocks!

MinT



Allsheng Dual Heating Block Dry Bath



Labnet Mini Incubator



Code	Product	Offer Price
AS-01150-00	MiniT-100 Dry Bath Incubator, ambient +5°C to 100°C	€198
AS-01130-00	MiniT Dry Bath Incubator, ambient +5°C to 80°C	€192
AS-01220-00	MiniT-H3 Dry Bath Incubator, ambient +5°C to 100°C	€495
Blocks	Choose from: 40x0.2ml, 31x0.5ml, 15x1.5/2.0ml, 2x50ml, 4x15ml, or custom	€75
AS-01030-00	K30 Dry Bath Incubator	€263
Blocks	Choose from: 96x0.2ml, 29x0.5ml + 32x1.5ml, 61x0.5ml, 41x1.5/2.0ml, or custom	€97

Code	Product	Offer Price
AS-01190-00	MK2000-2 Dry Bath Incubator, dual block, Ambient +5°C to 105°C	€350
AS-01200-00	MK2000-2E Dry Bath Incubator, individually controlled blocks, Ambient +5°C to 105°C	€585
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	€75

Code	Product	Offer Price
I5110A-230V	Mini Incubator, 9.2L, Ambient +5° to 60°C comes with 1 shelf	€318
I5110A-MLR-230V	Mini Incubator, 9.2L, Ambient +5° to 60°C with Mini Lab Roller and rotis-series for 1.5, 15 and 50 ml tubes	€579

Allsheng MTV–1mini vortex



Code	Product	Offer Price
AS-02070-00	MTV-1 mini vortex	€ 85

Allsheng MS-100 Thermo Mixer



Code	Product	Offer Price
MS -100	Thermo Shaker, ambient +5 °C to 100°C , 200rpm-1500rpm	€ 850
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	€ 95

Microplate Thermo Shaker Incubator



Code	Product	Offer Price
AS-03020-00	MB100-4A Thermo Shaker for Microplates 200-1500rpm	€960

Allsheng Orbital Shaker



Code	Product	Offer Price
AS-04030-00	OS100 Orbital Shaker 5-300rpm, with universal platform UP-1	€470

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	List Price	Offer Price
S2025-B-230V	ProBlot Rocker 25 with single platform (26 x 20 cm)	€ 1,004	€ 550
S2025-D-B-230V	ProBlot Rocker 25D with double platform (26 x 20 cm)	€ 1,118	€ 650
S2025-XL-B-230V	ProBlot Rocker 25XL with large single platform (30 x 30 cm)	€ 1,179	€ 665
S2025-XLD-B-230V	ProBlot Rocker 25XLD with large double platform (30 x 30 cm)	€ 1,293	€ 750

Labnet Orbital Shakers



Code	Product	List Price	Offer Price
S2030-1000-B-230V	Orbit 1000 - Digital Shaker without platform	€ 1,936	€ 1,150
S2031-12	Flat platform with rubber mat, for use with Orbit 1000 and Reciprocal 30 Shaker	€ 225	€ 125
S2031-12D	Two stacked platforms (30 x 30 cm), for use with Orbit 1000/Orbit LS and Reciprocal 30 Shaker	€ 341	€ 185
S2031-13	Spring loaded platform for flasks, bottles, or tube racks	€ 388	€ 225
S2031-18	Flask clamp platform without clamps, for use with Orbit 1000/Orbit LS and Reciprocal 30 Shaker (see catalog for capacities)	€ 341	€ 185
Clamps	Choice of Clamps for: 25 ml, 50 ml, 125 ml, 500 ml, 1 L Erlenmeyer flasks	POA	POA

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	List Price	Offer Price
D0300-230V	Analog Hot Plate, 230V	€ 275	€ 195
D0310-230V	Analog Magnetic Stirrer, 230V	€ 412	€ 275
D0320-230V	Analog Hot Plate Stirrer, 230V	€ 275	€ 195

Stuart Tube Rollers



Code	Product	Offer Price
SRT6	Tube roller 6 roller	€699
SRT9	Tube roller 9 roller	€899

NEW ADAM Nimbus Analytical & Precision Balances



Code	Product	Capacity/Readability /Pan Size	Offer Price
Adam Nimbus Analytical Balances			
NBL 84i	Nimbus 84i Analytical Balance with draftshield and Internal calibration	80g/0.0001g/90mm Ø	€940
NBL 124i	Nimbus 124i Analytical Balance with draftshield and Internal calibration	120g/0.0001g/90mm Ø	€596
NBL 164i	Nimbus 164i Analytical Balance with draftshield and Internal calibration	160g/0.0001g/90mm Ø	€961
NBL 214i	Nimbus 214i Analytical Balance with draftshield and Internal calibration	210g/0.0001g/90mm Ø	€1,004
NBL 254i	Nimbus 254i Analytical Balance with draftshield and Internal calibration	250g/0.0001g/90mm Ø	€596
ADAM Nimbus Precision Balances			
NBL 223i	Nimbus 223i Precision Balance with draftshield and Internal calibration	220g/0.001g/120mm Ø	€1,047
NBL 423i	Nimbus 423i Precision Balance with draftshield and Internal calibration	420g/0.001g/120mm Ø	€631
NBL 623i	Nimbus 623i Precision Balance with draftshield and Internal calibration	620g/0.001g/160mm Ø	€665
NBL 823i	Nimbus 823i Precision Balance with draftshield and Internal calibration	820g/0.001g/160mm Ø	€639
NBL 1602i	Nimbus 1602i Precision Balance with Internal calibration	1600g/0.01g/160mm Ø	€699
NBL 2602i	Nimbus 2602i Precision Balance with Internal calibration	2600g/0.01g/160mm Ø	€751
NBL 3602i	Nimbus 3602i Precision Balance with Internal calibration	3600g/0.01g/160mm Ø	€854
NBL 4602i	Nimbus 4602i Precision Balance with Internal calibration	4600g/0.01g/160mm Ø	€897

Jenway pH & Conductivity Meters



Code	Product	Offer Price
351001	Model 3510 pH/temp meter with dual display, mV range and 32 reading memory, supplied with glass combination pH electrode (924 005), electrode stand and holder, ATC probe (027 500), BNC shorting plug, pH 4, 7 & 10 buffer sachets	€ 579
354000	Model 3540 pH/conductivity meter with dual, graphics display of both parameters (in real time) and ranges for Abs and Rel mV, TDS and Salinity has 250 reading memory for each channel. The 3540 is supplied with a glass combination pH electrode (924 005), glass conductivity probe with ATC (K=1) (027 013), electrode stand and holder, ATC probe (027 500), BNC shorting plug, pH 4, 7 & 10 buffer sachets	€ 1,299

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 °



Code	Product	Offer Price
601-101	Spectrostar Nano	€ 12,000
LVIS	LVIS Nano Volume adapter for 16 x 2ul samples	FREE!

BMG Labtech Clariostar Monochromator Plate Reader

The CLARIOstar is a multi-mode microplate reader with advanced LVF Monochromators™, highly sensitive filters, and an ultra-fast UV/vis spectrometer. It is a modular microplate reader with up to seven different detection modes: fluorescence intensity (incl. FRET), fluorescence polarization, luminescence (including BRET), UV/vis absorbance, time-resolved fluorescence, TR-FRET, and AlphaScreen®/AlphaLISA®/AlphaPlex™.

Key Features

- Innovative monochromators for increased sensitivity
- Fully-flexible wavelengths and bandwidths
- Spectral scanning in AS, FI and LUM
- Higher light transmission
- High-speed absorbance measurements
- Dedicated laser for Alpha Technology
- Live cell-based assays
- Low volume measurements



Code	Product	Offer Price
430-101/10	CLARIOstar with Monochromator for FI + FRET from 320 - 730 nm (no filters included)	€33,000
Optional Extras		
430-120	UV/Vis absorbance spectrometer (220 - 1000 nm)	€6,000
430-130	Luminescence for up to 384-well format (384 aperture for LUM and ALPHA included)	€2,500
430-141/2	Fluorescence Polarisation UV and Vis - includes 1 filter set	€6,000
430-150	TRF / TR-FRET (one filter set included, requires P/N 430-130)	€5,000
430-160	High-end laser-based ALPHA (one filter set included, requires P/N 430-130)	€7,250
430-200	ACU (Atmospheric Control Unit) for O2 and CO2 (no later upgrade possible)	€6,000
430-171	Reagent Injector 1	€3,700
430-172	Reagent Injector 2	€3,000

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

Jenway Spectrophotometers



Code	Product	Offer Price
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.	€2,630
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.	€3,499
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.	€4,000
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.	€5,125

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	List Price	Offer Price
AS-16010-00	APW-100 8-channel Microplate washer including washing/waste bottles	€ 5,227	€ 2,995

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	Offer Price
14000325	Zoom Microplate Washer, 96-channel wash head for 96/384-well plates	€ 16,500

MagCore Automated Nucleic Acid Purification System

Key Features

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



Code	Product	Offer Price
MCA0801	MagCore Compact (Programs build-in / UV Light) - 8 channels	€12,500
MCA1603	MagCore HF16 PLUS (Programs build-in / UV Light) - 16 channels	€17,000
MCA1602	MagCore Super (Spectrophotometer/ Thermal Printer/Barcode) - 16 channels	€25,000

BMS Mic - Fast, Accurate, Compact

The world's first Magnetic Induction Cycler.
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	Offer Price
MIC-2	Mic-2 Channel	€9,600
MIC-4	Mic-4 Channel	€11,375
MIC-2+HRM	Mic-2 Channel with HRM	€11,375
MIC-4+HRM	Mic-4 Channel with HRM	€13,150

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

NEW! Bioer Life ECO Gradient Thermal Cyclers

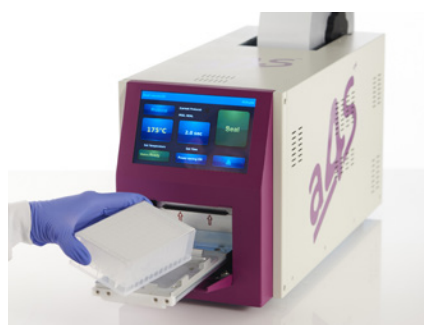
Key Features

- 6.5in large colour touch screen display
- Powerful programme writing function, flexible and efficient
- Latest Peltier technology, providing precise temperature and control accuracy
- Gradient thermal cycler
- Storage of up to 250 programmes



Code	Product	Offer Price
TC-96/G/H(b)B	LifeTouch ECO, Gradient 96x0.2ml Thermal Cycler	€2,700

4Ti Plate Sealers



A4S Fully Automated



4s3 Semi Automated

Code	Product	Offer Price
4ti-0665	A4S Fully Automatic Plate Heat Sealer	€18,495
4ti-0655	4s3 Semi Automated Heat Sealer	€3,995

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	List Price	Offer Price
E1007-7	Enduro 7.7 Horizontal Gel Box 7 x 7 cm	€ 441	€ 250
E1007-10	Enduro 7.10 Horizontal Gel Box 7 x 10 cm	€ 461	€ 275
E1010-10	Enduro 10.10 Horizontal Gel Box 10 x 10 cm	€ 481	€ 285
E1015-10	Enduro 15.10 Horizontal Gel Box 15 x 10 cm	€ 557	€ 295
E1015-15	Enduro 15.15 Horizontal Gel Box 15 x 15 cm	€ 722	€ 399
E1020-20	Enduro 20.20 Horizontal Gel Box 20 x 20 cm	€ 753	€ 399

Code	Product	Offer Price	Offer Price
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	€ 860	€ 485

Labnet ENDURO PAGE & Western Blotting Systems



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	Offer Price
2322191	AE6500 (6450) Vertical Dual Mini Slab Electrophoresis Kit	€999

Spare parts available!

Labnet ENDURO™ Laboratory Power Supplies



Code	Product	List Price	Offer Price
E0203-230V	Enduro 250V Power Supply (250V, 3,000mA programmable w/timer)	€ 1,088	€ 750
E0303-230V	Enduro 300V Power Supply (300V, 500mA w/ timer)	€ 563	€ 395
E0304-230V	Enduro Mini Power Supply (300V, 400mA w/ timer)	€ 479	€ 350

Perfect for DNA, RNA and Protein electrophoresis

NEW! Vilber Gel Doc E-Box

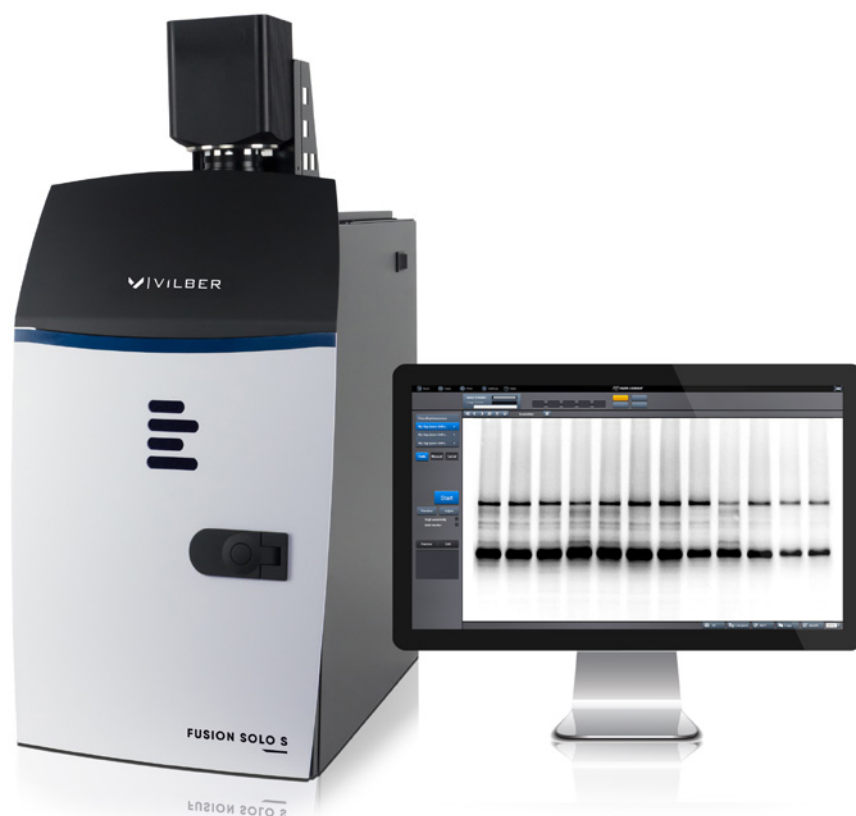
Key Features

- 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



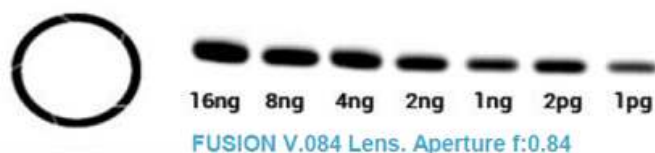
Code	Product	List Price	Offer Price
161121031	E-BOX-CX5.TS-26.MX Fluorescence System, Slide-out table, no protection screen	€7,500	€6,250

Ask your local sales representative for a demo



Fusion Solo S

Upgradable chemiluminescence system with extendable fluorescence capabilities.



Key Features

- 10-20MP
- Choice of high sensitivity or high resolution camera
- Better sensitivity than film
- Reproducible and comparable quantification data
- Best signal to noise ratio of the industry
- License free software

Product Code	Description	Offer Price
1511 6200 1	FUSION-SOLO.6S.EDGE V.070 EVO-6 camera - 6.3 megapixels/-30°C Super V.070 lens (24mm). FOV: 24x20cm Evolution-Capt software	€14,700
1511 4400 1	FUSION-SOLO.7S.EDGE DARQ-7 camera - 4.2 megapixels /-42°C V0.84 Vilber lens FOV: 21x21cm Fusion-Capt software	€17,200

NEW! Microjet Autoclave - Sterilisation in just 12 minutes

Key Features

- **Compact** – small footprint, and low weight make the Microjet easy to install virtually anywhere in the lab
- **Express** – Direct energy transfer makes media preparation quick, sterilisation in just 12 minutes
- **Personal** – Always at hand, 24/7 – you do not need to wait for sterilisation



Code	Product	List Price
EN04LAB-02	Microjet Microwave Autoclave	€2,000

NEW! 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	List Price
19-040E	Bead Ruptor 24 Elite Drive Unit (Tube Carriage Sold Separately)	€7,939
19-010-310	2mL Screwtop Tube Carriage Kit	€1,397

Number of other accessories available

4TITUDE 4LAB AUTOMATED PCR/qPCR SAMPLE PREPARATION

4Titude's® 4LAB is an automated, high precision pipetting system specifically designed for low-volume PCR/qPCR sample preparation. For good PCR results, small volumes of reagent need to be dispensed accurately and consistently.

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



Code	Product	List
4ti-2000	4LAB Pipetting Station 4+2 positions with software and notebook	Starting from € 25,000

Contact your local representative at info@medical-supply.ie for more details

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.

