



# Lab Equipment & Instrumentation for your Industry

End of Year Special offer

Offer valid until 31<sup>st</sup> december 2020

Enter Promotion Code 14828

Dear Valued Customers,

As a result of the Coronavirus, the way we work and live has been impacted, with many of us adapting to a 'new normal'.

Many researchers in the Industry and Diagnostic segments have diverted their activities to Testing development and here at the Fisher Scientific channel we want to support our customers in helping them carry out this valuable research. To assist with this, we have selected a number of key equipment products, with great savings, that cover the various steps within the Testing development workflow



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*fisherbrand*

FOR THE **LOVE of SCIENCE**

Indulge Your Love of Science

## Fisherbrand™ Isotemp™ Ultra Low Temperature Freezer

Fisher Isotemp -80°C ultra-low freezers are the sustainable and reliable solution with ultimate sample security and operational savings for every lab. Vacuum panel insulation provides maximum storage capacity in a smaller footprint.

- Hydrocarbon technology saves up to 25% energy usage over conventional refrigerant
- Touchscreen information centre is simple and easy to use
- Security features include alarm settings and padlock compatible doors
- Compatible with most racking systems

Cat. No	Description	List Price	Promo Price
16647352	549L, 400 cryobox capacity	11 900,00	7 395,00
16657352	816L, 600 cryobox capacity	14 100,00	9 220,00

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Save up to  
38%



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## Fisherbrand™ Mini Centrifuge

Ideal for quick spin downs, microfiltration, cell separations, PCR and HPLC samples. It is compact and easy to use and comes standard with a host of accessories.

- Small footprint and quiet operation
- UV-resistant housing of SnapSpin™ rotors for quick and easy change
- Max speed 6,000rpm/2,000xg
- Weighted rubberised base eliminates potential movement and further dampens any noise output
- Includes rotors, tube rack, storage case, O-rings, tube adapters and low voltage, double insulated power adapter with four interchangeable plugs
- Dimensions: 153 x 128 x 104mm

Cat. No	Description	List Price	Promo Price
15358266	Mini centrifuge	265,56	95,58

## Fisherbrand™ Midi Centrifuge

Ideal for protocols calling for fast spins with a high RCF requirement. Also ideal for microfilter cell separations, PCR, clinical applications and HPLC protocols.

- Small footprint and quiet operation
- Max speed 12500rpm/9.800xg
- Sample imbalance and tilt safety cut-out
- Safety interlock lid prevents opening while rotor is turning
- Backlit display showing time, speed and operational information on the same screen
- Quick spin button for short spin requirements

Cat. No	Description	List Price	Promo Price
12972041	Midi centrifuge	595,00	445,50

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## Fisherbrand™ Accuspin™ Microcentrifuges 17/17R

The Accuspin 17/17R offers ease of use, reliability and safety for all microvolume applications.

- Refrigerated or ventilated models
- Capacity 48mL (24 x 15/2mL tubes)
- Maximum speed/RCF: 13,300rpm/17,000xg
- Supplied with rotor and ClickSeal™ biocontainment lid
- Versatility with seven optional rotors: tubes from 0.2mL to 5mL

Cat. No	Description	List Price	Promo Price
11516873	Accuspin Micro 17, ventilated	1 830,00	933,33
11526873	Accuspin Micro 17R, refrigerated	4 415,00	2 568,10

# Fisherbrand™ GT1 Benchtop Centrifuge Packs

Fisherbrand™ GT1 Benchtop Centrifuges combine a compact size with operational flexibility, making them the ideal choice for molecular biology laboratories.

- Includes TX-150 swing-out rotor with adapters accommodating 4x50mL or 8x15mL conical tubes
- One-touch, easy-to-use operation with pre-saved protocols
- Rapid push-button rotor exchange with the Auto-Lock™ rotor swap system
- Corrosion resistant and lubricating rotor-cross coating
- Fitted with ClickSeal™ biocontainment lids

Cat. No	Model	List Price	Promo Price
15878722	GT1 Ventilated	3 740,00	2 111,76
15868722	GT1 Refrigerated	6 545,00	3 539,00



# Fisherbrand™ GT2 Benchtop Centrifuge Packs

The mid-sized Fisherbrand GT2 Benchtop Centrifuge provides speed and versatility, reaching 4238xg for fast and efficient separations.

- Includes a TX-400 rotor with adapters accommodating 36x15mL or 16x50mL conical tubes, ideal for cell culture applications
- One-touch, easy-to-use operation with pre-saved protocols
- Backlit display interface with multi-language options
- Rapid push-button rotor exchange with the Auto-Lock™ rotor swap system
- Corrosion resistant and lubricating rotor-cross coating
- Fitted with ClickSeal™ biocontainment lids

Cat. No	Description	List Price	Promo Price
15808722	GT2 Ventilated	7 095,00	3 569,62
15818722	GT2R Refrigerated	8 565,00	4 311,41

# Fisherbrand™ GT4 Benchtop Centrifuge Packs

The Fisherbrand GT4 Benchtop Centrifuge is the premium performance high capacity model available in ventilated or rapid pull-down refrigerated versions in the full product portfolio.

- Model 3L includes: TX-750 rotor, ClickSeal lid, four adapters for 28x50mL conical tubes, four adapters for 56x15mL conical tubes
- Model 4L includes: TX-1000 rotor, ClickSeal lid, four adapters for 40x50mL conical tubes, four adapters for 96x15m conical tubes
- Max. speed: 4,000rpm
- One-touch, easy-to-use operation with pre-saved protocols
- Backlit display interface with multi-language options
- Rapid push-button rotor exchange with the Auto-Lock™ rotor swap system
- Fitted with ClickSeal™ biocontainment lids

Cat. No	Model	List Price	Promo Price
15858722	GT4R 3L Refrigerated	11 320,00	5 700,38
15838722	GT4R 4L Refrigerated	10 530,00	5 353,43



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34%



## Fisherbrand™ Isotemp CO<sub>2</sub> Incubators

These Fisherbrand CO<sub>2</sub> incubators provide an ideal growth environment, simple touchscreen technology, and easy cleaning with a high-temperature decontamination feature.

- Stackable, polished stainless-steel 150L interior chamber
- Established direct heat technology for a reliable, uniform culture environment
- Range: 3°C above ambient to 55°C
- Gentle, fan-assisted air circulation designed to ensure homogeneous conditions and fast recovery of all conditions
- On-demand 90°C moist heat high-temperature decontamination cycle
- Decontamination cycle does not require the removal of components or sensors and is effective against bacteria, moulds, fungal spores and mycoplasma
- Interactive, instinctive at-a-glance monitoring with touchscreen controller
- Integrated humidity reservoir for rapid recovery after door opening
- Avoid dry-outs with built-in water level sensor and on-screen prompts

Cat. No	Description	List Price	Promo Price
15660667	Fisherbrand CO <sub>2</sub> incubator with thermal conductivity (TC) CO <sub>2</sub> sensor	7 270,00	4 820,03
15650667	Fisherbrand CO <sub>2</sub> incubator with infrared (IR) sensor	8 320,00	5 708,33

## Fisherbrand™ Gravity Convection Microbiological Incubator

Ideal for microbiological incubation and heated storage with a stainless-steel interior. Maximum temperature 75°C.

- Inner glass door for minimal disturbance while viewing samples
- Stackable, no tools or kit required
- Access port standard
- Two perforated stainless steel shelves included as standard

Cat. No	Volume, L	List Price	Promo Price
15815911	117	1 670,00	1 254,60
15835911	194	2 315,00	1 744,18

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## Fisherbrand™ PowerPlus300™ Electrophoresis Power Supply

The PowerPlus300 is versatile and multi-functional for a wide range of electrophoresis applications. At 300V, 700mA and 150W, the PowerPlus300 power supply has nearly twice the current and power of a similar market leading unit. Perfectly suited for use with horizontal and mini vertical electrophoresis systems.

- Built-in pre-set protocols, also allowing users to create and save protocols of their own
- A 61mm (2.4 inch) TFT screen displays the current running parameters and allows the user to browse pre-set and saved protocols
- The PowerPlus300 can be operated at constant voltage, constant current or constant power and can store up to 30 programmes with up to six steps each
- A convenient pause/resume key allows any run to be temporarily halted for inspection of the gel and restarted from the same position
- Five output pairs

Cat. No	Description	List Price	Promo Price
15818481	PowerPlus300 power supply, Midi, 300V, 700mA, 150W, 5 pairs output, 110/230V	495,00	361,66



## Fisherbrand™ MultiSUB™ Horizontal Electrophoresis Units

The Fisherbrand MultiSUB™ range features Mini, Midi and Midi-Plus. The relatively compact size of all of these units results in economical buffer and gel consumption without compromising resolution and separation speed. All units are provided with loading guides, trays and dams. All units are injection moulded.

- The MultiSUB™ Mini is designed for quick checks of low to medium numbers of samples (up to 16)
- The MultiSUB™ Midi is ideal for quick checks of samples from PCR and cloning, and can run up to 100 samples
- The MultiSUB™ Midi-Plus is ideal for restriction fragment analysis, sample prep or checking high numbers of samples (up to 210). It has multichannel pipettor-compatible combs for fast gel loading

Cat. No	Description	List Price	Promo Price
11863303	MultiSUB Mini, includes 70mm x 70mm and 70mm x 100mm gel trays, two eight-sample 1mm combs, and casting dams	248,00	180,05
11853303	MultiSUB Midi, includes 100mm x 70mm and 100mm x 100mm UV trays, 2 x 16 sample combs (1mm), loading guides and casting dams	269,00	215,86
11833293	MultiSUB Midi Plus, includes 150mm x 70mm, 150mm x 100mm and 150mm x 150mm gel trays	307,00	222,90

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## Fisherbrand™ Microplate Shaker

Designed for convenience and flexibility.

- Variable shaking speed 150 to 1000rpm
- Includes four-place microplate clamps on an aluminium platform
- Continuous or timed operation, with automatic switch off
- Display will show last used settings, even after power has been turned off
- Operating temperature of 5 to 40°C allows for use in refrigerators, cold rooms and non-CO<sub>2</sub> incubators
- Applications include immunoassays, ELISA's, denaturation of nucleic acids and proteins, staining and blotting

Cat. No	Description	List Price	Promo Price
15504070	Microplate shaker 150 to 1000rpm, 100-240V, EU and UK plug	530,00	469,40

## Fisherbrand™ Research Microscopes with LED Illumination

This series of Fisherbrand research microscopes with 'cool light' LED illumination are designed to meet your everyday microscopy needs in the laboratory.

- Ergonomically designed professional frame with low-position coaxial focusing allows one handed operation, making extended use comfortable
- Adjustable 3W LED illumination
- Built-in low drive mechanical stage with extended post for X and Y control (135mm x 140mm)
- 18mm eyepieces with rubber eyeshields
- 30° inclined ergonomic Siedentopf viewing head with interpupillary distance 55 to 75mm on multiocular models
- Choice of optical objectives, with wide range of magnification: 4x, 10x, 40x, 100x: achromat

Cat. No	Optical heads	List Price	Promo Price
15398824	Binocular head, Siedentopf	970,00	508,89
15308834	Trinocular head, Siedentopf	1050,00	551,24



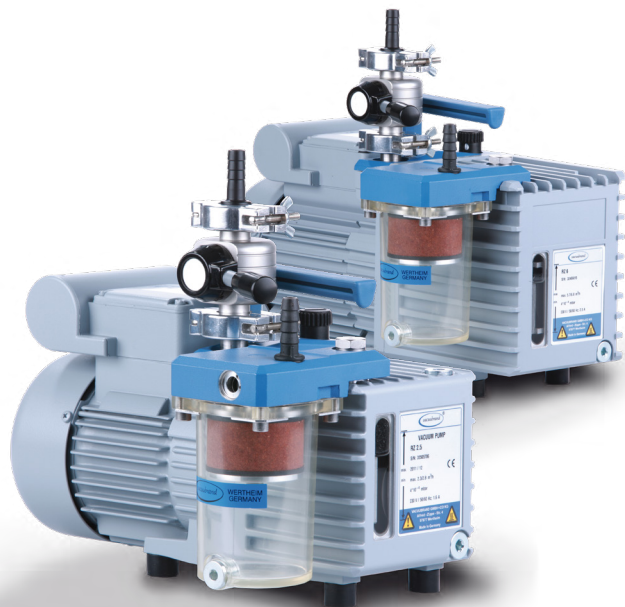
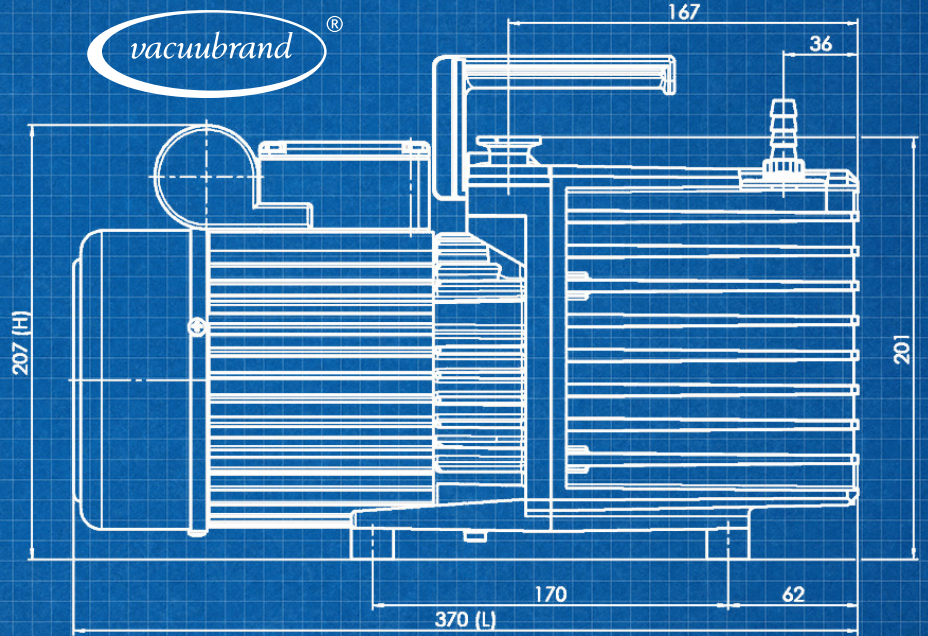
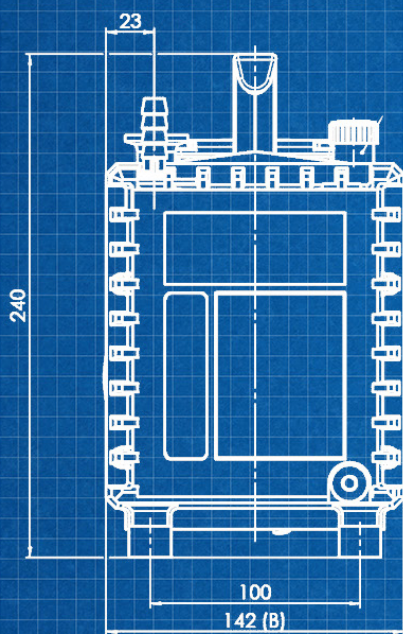
## Fisherbrand™ ST-30C Series Rear-Facing Stereo Microscopes

- Designed and developed especially for the learning environment
- 45° inclined rear-facing binocular head with dioptr adjustment on left eyetube
- Widefield eyepieces 10x/20mm
- 2x/4x magnification changer
- Objectives are parfocal, parcentric and achromatic; magnification is changed by turning the turret 180° to the click stop
- Heavy-duty rack and pinion focusing block with slip clutch
- Supplied as standard with 80mm stage plates
- Models available with either 2V/10W tungsten or rechargeable LED illumination

Cat. No	Includes	List Price	Promo Price
15254878	LED illumination, black, white and frosted stage plates, dust cover, charger and batteries	199,00	128,67







## PACKAGES ROTARY VANE PUMPS RZ 2.5 AND RZ 6

Pumps supplied oil-filled and completely mounted, ready for use, with manual. With oil mist filter FO and isolation valve VS 16

### PERFORMANCE FEATURES

These powerful rotary vane pump packages feature a particularly compact design and low weight for pumps of this capacity.

**RZ 2.5** Max. pumping speed at 50 Hz: **2.3 m<sup>3</sup>/h**  
Ultimate vacuum (abs.): **2 x 10<sup>-3</sup> mbar**

**RZ 6** Max. pumping speed at 50 Hz: **5.7 m<sup>3</sup>/h**  
Ultimate vacuum (abs.): **2 x 10<sup>-3</sup> mbar**

- High flow rates even at vacuum levels approaching ultimate vacuum
- High water vapour tolerance due to efficient gas ballast; very good ultimate vacuum even with gas ballast
- Vacuum-tight at switch-off; external anti-suckback valve not needed
- Large oil volume: Long intervals between oil changes
- Ease of maintenance due to telescopic design

**RZ 2.5 Rotary vane pump package**  
**RZ 6 Rotary vane pump package**

**Cat. No 10594322 (Vacuubrand 20698029)**  
**Cat. No 10719901 (Vacuubrand 20698039)**

# Fisherbrand™ Aspiration Advantage System

Compact and portable unit with an integrated resistant diaphragm pump, used for the safe and precise aspiration of non-flammable chemical, biological, and medical liquids. Fluids can be removed easily and very precisely from slides, petri dishes, microplates, cell culture containers or similar vessels by using different pipettes or glass tips, which can be easily connected to the HandVac pipettor attachment

- Superior chemical resistant diaphragm pump with long service life
- Automatic flow-stop when four litre receiver is full
- Hydrophobic filter for bacteria and viruses, 55mm diameter, 0.22µm minimum pore size
- Rapid action coupling hose connectors with automatic isolation valves
- Pumping speed 15L/min
- Ultimate pressure 100mbar
- Tubing required DN 8mm

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Cat. No	Description	List Price	Promo Price
15348191	Aspiration Advantage System with 4L PP bottle, with vacuum regulator on front panel and vacuum gauge on top panel built in	1 591,20	1 259,87

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## Fisherbrand™ GP1000 and GP1100 Peristaltic Pumps

Fisherbrand GP1000 and GP1100 peristaltic pumps are ideal general-purpose tubing pumps for high-repeatability precision metering, and are variable speed and self priming. The pump head enables rapid tubing changes, utilising various tubing sizes to provide a broad flow range.

- Intuitive control keypad
- The fluid contacts only the tubing material
- Speed: 4 to 4000rpm

Cat. No	Model	Tubing Type	Flow Rate	List Price	Promo Price
15377547	GP1000	Thin wall	0.5 to 3000mL/min	1 625,00	1 161,85
15387547	GP1100	Thick wall	14 to 4000mL/min	1 625,00	1 161,85

## Fisherbrand™ Chemical Duty Diaphragm Vacuum Pumps

The chemical duty diaphragm pump is ideal for applications involving aggressive solvents and acidic vapours. It is designed for easy operation with vacuum ovens and filtration devices.

- High-quality oil-free diaphragm pump for easy operation
- Ideal for laboratory applications, research and development
- Designed for permanent operation
- Long service life, maintenance-free drive system

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Cat. No	Description	List Price	Promo Price
12981131	Diaphragm vacuum pump Fisherbrand 38L/min, 8mbar	1 426,50	1 137,50



## Fisherbrand™ Sonic Dismembrators

- Powerful ultrasonic technology for a variety of applications
- Lyse cells, disperse particles or shear DNA
- Many probe options to match your sample volume
- Programmable operating systems
- Pulse mode to reduce heat generated by ultrasonics

Cat. No	Description	List Price	Promo Price
12337338	Sonicator 120W, 0.2-50mL, with probe, 0.5-15mL	2-690,00	1 782,47
12893543	Sonicator 500W, 0.5-500mL, with probe, 10-250mL	3-660,00	2 704,98

## Fisherbrand™ Bead Mill 24 Homogeniser

The Fisherbrand™ Bead Mill 24 is one of the most powerful homogenisers available, designed for grinding, lysing and homogenising biological samples prior to DNA/RNA extraction or protein purification. A variety of bulk grinding bead media are available for different sample types, and grinding bead tubes are also offered prefilled (most Fisherbrand prefilled bead tubes are also compatible with most other commercially available bead mills).

- Homogenise 24 x 2mL or 0.5mL tubes per cycle
- Convenient front-loading tube holder position for ease of use and optimal bead/sample interactions
- No cool-down required between runs (non-stop processing)
- Disposable tubes ensure no threat of cross contamination
- Smaller footprint to maximise bench space

Cat. No	Description	List Price	Promo Price
15515799	Bead Mill 24, for simultaneous homogenisation of 24 x 2mL or 0.5mL tubes	5-540,00	4 303,00
Accessories			
15555799	Soft tissue homogenising mix - prefilled tubes with 1.4mm ceramic beads, 2mL	116,00	101,18
15565799	Hard tissue homogenising mix - prefilled tubes with 2.8mm ceramic beads, 2mL	116,00	91,18



## Fisherbrand™ S-Series Heated Ultrasonic Cleaning Baths

The cleaning unit is user friendly with a clear operating panel and LED for ultrasonic function. The newly developed cover reduces noise and accelerates the heating up process. The operating panel is arranged so that liquid cannot enter the electronics.

- State of the art microprocessor controlled ultrasonic cleaning and sweep technology
- Long lifespan from cavitation-resistant stainless-steel tanks
- Easy draining of cleaning liquid through the drain duct
- Degas function key

Cat. No	Description	Volume, L	Power, W	List Price	Promo Price
10591203	S10H heated ultrasonic bath	0.8	90	462,27	284,07
10215332	S40H heated ultrasonic bath	4.25	340	968,62	687,19

# Fisherbrand™ Isotemp™ General Purpose and Shaking Water Baths

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Save up to 15%

- Space-saving and simple-to-operate water baths are perfect for a variety of laboratory applications
- Enhanced safety features
- No coils for easy cleaning
- Small footprint
- Low fluid protection and over-temperature protection
- Three programmable presets and auto-off timer
- General purpose baths come with clear lids
- Shaking baths come with stainless-steel lids
- General purpose water baths compatible with bath beads
- Wide range of accessories available
- Shaking baths adjustable from 30 to 200 oscillations/min
- Pumping speed: 15L/min
- Ultimate pressure: 100mbar
- Tubing required: DN 8mm



Cat. No	Description	List Price	Promo Price
15375877	General purpose water bath 5L	634,00	538,80
15385877	General purpose water bath 10L	720,00	527,52
15395877	General purpose water bath 20L	810,00	625,40

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# Fisherbrand™ Isotemp™ Heated/Refrigerated Bath Circulators



- Economic and compact range of heated and refrigerated bath circulators for a wide variety of laboratory applications
- Five programmable set points
- Includes lid and 8mm and 12mm circulation sets
- Two-year warranty
- 1.2 kW heater
- $\pm 0.05^{\circ}\text{C}$  temperature stability ( $\pm 0.1^{\circ}\text{C}$  for 4100 model)
- Three languages: English, French and German
- Large easy-to-read five-line LCD display
- Over temperature/low level cutouts with audible and visual alarms
- High-quality pump motor for excellent pump performance and life
- Two pump speeds: 50% and 100%
- Temperature range: ambient  $-20^{\circ}\text{C}$  to  $100^{\circ}\text{C}$
- Bath volume: 7L

Cat. No	Description	List Price	Promo Price
11366641	Refrigerated/heated circulator 4100 R20	2 210,00	1 659,99

# Thermo Scientific™ MSC-Advantage™ Class II Biological Safety Cabinets

- Conserve energy with MSC-Advantage which combines smart design and exceptional value
- Best-in-class efficiency, reliability and usability
- Unique microprocessor controlled airflow technology
- Cabinets are certified to EN 12469 safety standard
- Manual sliding sash
- Low noise level
- Easy to read and intuitive control panel
- Ideal for microbiology and cell culture applications

Cat. No	Description	List Price	Promo Price
10795194	MSC Advantage biological safety cabinet, 1.2m width	8 975,00	6 124,43



# Thermo Scientific™ SL8 Small Benchtop Centrifuge

Carry out clinical and research applications with this benchtop centrifuge, featuring a smart, simple interface and exceptional capacity in a compact design.

- Thermo Scientific™ Auto-Lock™ rotor exchange in as little as three seconds
- Includes certified Thermo Scientific™ ClickSeal™ lids for glove-friendly, one-handed operation
- Up to 8 x 50 mL conical tubes, 24 x 5/7mL blood tubes, microplates and microtubes in swing-out configuration
- Fixed-angle flexibility to spin 50mL conical tubes at over 12,000 x g or a wide range of microtubes at speeds up to 30,279 x g

Cat. No	Description	List Price	Promo Price
15221026	SL8 Small Benchtop Centrifuge	5 410,00	4 296,59



# Thermo Scientific™ SL4 Plus Centrifuge

Faster processing of more samples with a high capacity-to-footprint ratio and simple programming interface, plus the flexibility to run most tubes and bottles on one centrifuge.

- Modern industrial design supports continuous improvement in rotor-loading ergonomics, user safety and currently needed certifications
- Motorised lid latch enables one finger downward motion for easiest closing and locking of centrifuge lid, even on tall benches.
- Thermo Scientific™ SMARTSpin™ technology optimises safety and improves separations.

Cat. No	Description	List Price	Promo Price
16320748	SL4 Plus, ventilated	5 380,00	4 195,00
16370738	SL4R Plus, refrigerated	8 660,00	6 816,19



## Eppendorf™ Centrifuge 5425

Eppendorf™ 5425 ventilated centrifuges offer an outstanding set of features for a broad range of applications in the field of molecular and cell biology as well as protein biochemistry.

- Whisper-quiet microcentrifuge for stress-free work
- Aerosol-tight Eppendorf QuickLock™ lids for simple and safe handling
- Outstanding software features (e.g. 10 acceleration and braking ramps, three programme buttons, short function without continuous pressing of the key)
- OptiBowl™ design for quiet operation, even without a rotor lid
- Automatic lid opening at the end of the run – prevents sample warming and allows easy access to samples
- Maximum speed 21,300xg (15,060rpm)
- Ventilated (non-refrigerated)

Cat. No	Description	List Price	Promo Price
15871635	Centrifuge 5425 with keypad, EU plug	2 397,00	1 990,00
15851645	Centrifuge 5425 with dials, EU plug	2 397,00	1 990,00



## Eppendorf™ Cooled Microcentrifuge 5430R G

Versatile, general laboratory, cooled microcentrifuge that accepts eight different rotors.

- Accepts microcentrifuge tubes, PCR strips, microplates, conical tubes
- Accepts eight different rotors
- Fast Temp for achieving required temperature in shortest possible time

Cat. No	Description	List Price	Promo Price
15865073	Cooled Microcentrifuge 5430R G with Dial, EU plug	6 423,00	5 429,13

## Eppendorf™ Cooled Centrifuge 5910R

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- High-capacity, versatile, refrigerated centrifuge with a main swing-bucket rotor that holds conical tubes and plates with no need to change rotor buckets or adapters
- Low access height for easy operation
- Other plate rotor options for centrifugation of all types of MTP, PCR or deepwell plates
- Fixed-angle rotor options for high-speed molecular biology applications in tubes from 0.2mL to 50mL
- Aerosol-tight Eppendorf QuickLock™ caps and lids allow fast and ergonomic lid locking
- Quiet operation (<59 db) and compact footprint
- Automatic rotor recognition and imbalance detection
- Quick precooling feature with standby cooling function holding temperature when not in use
- ECO shut-off engages after eight hours (adjustable)



Cat. No	Description	List Price	Promo Price
15870937	Cooled Centrifuge 5910R, EU plug	11 680,00	9 872,69

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## Thermo Scientific™ SpeedVac™ Savant™ DNA 130 Integrated Vacuum Concentrator System

Save time and money with Thermo Scientific™ Savant™ DNA SpeedVac™ concentrators kits. Everything you need for quick drying and concentrating of small sample volumes

- Dry at ambient temperatures or using low heat to avoid sample denaturing
- Designed to ensure consistent drying times and reproducible results
- Temperature set point: ambient, 35°C to 65°C in 5°C increments

Cat. No	Description	List Price	Promo Price
15819206	Thermo Scientific Savant SpeedVac DNA130	6 620,00	5 047,58

## Thermo Scientific™ Heratherm™ Compact Microbiological Incubators

Save space with the Thermo Scientific™ Heratherm™ compact microbiological Incubator. Temperatures at or below ambient: 17° to 40°C.

- High temperature accuracy
- Internal light and window in door facilitates sample observation
- Temperature uniformity of ±1.2°C (measured at 37°C)
- Temperature stability of ± 0.2°C (measured at 37°C)

Cat. No	Description	List Price	Promo Price
10699640	IMC18 compact mechanical incubator, 50°C	745,00	546,39

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## Thermo Scientific™ Heratherm™ General Protocol Microbiological Incubators

- General protocol microbiological incubators with gravity convection
- Provide gentle airflow with minimised drying out of samples
- Excellent temperature uniformity and stability
- Small benchtop footprint
- Internal glass door providing safe viewing of samples
- Easy-to-read, large display with simple temperature setting
- Safe containment with automatic over-temperature alarm
- Access port as standard
- Rounded corners for easy cleaning and flexible shelving
- Temperature: ambient +5°C to +75°C

Cat. No	Model	Capacity, L	List Price	Promo Price
10529070	IGS60	75	1 305,00	989,47
10839810	IGS100	117	1 830,00	1 395,81
10744262	IGS180	194	2 550,00	1 942,97

## Thermo Scientific™ Forma™ Steri-Cycle™ CO<sub>2</sub> Incubators

- Forma™ Steri-Cycle™ incubators support basic research through to leading-edge applications
- Complete contamination control and enhanced simplicity
- Temperature range: ambient +3°C to 55°C
- 'Thrive' active airflow delivers homogenous growth conditions fast
- Recovery of all parameters in less than 10 minutes for stable conditions
- Optional, easy to maintain, 100% solid copper or stainless-steel chambers
- Protection with ISO 5 HEPA filtered air
- Automatic 180°C cycle for total, uniform sterilisation of all surfaces
- Optional oxygen control
- iCAN touchscreen provides user-friendly operation and complete data visibility
- Select the Steri-Cycle i250 models for large capacity, low-media-level culturing

Cat. No	Description	Volume	Sensor type	List Price	Promo Price
15311085	Forma™ Steri-Cycle™ i160 CO <sub>2</sub> incubator	160	TC	11 195,00	6 658,18
15383012	Forma™ Steri-Cycle™ i250 CO <sub>2</sub> incubator	250	IR	12 185,00	7 247,24
Accessories					
15515490	Adaptor required to stack two i160 models			343,00	232,17
10092133	Support frames for 150i CO <sub>2</sub> Incubators			730,00	420,26

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# Binder™ CB-S Series CO<sub>2</sub> Incubators

CB-S Series incubators are suitable for routine cell culture applications. A 180°C hot-air sterilisation system helps to keep them contamination-free and they also offer reliable pH stability thanks to a drift-free infrared CO<sub>2</sub> measurement system

- Temperature range: +6°C above ambient to +50°C
- Humidity range: 90 to 95% RH
- Auto-sterilisation with hot air at +180°C
- CO<sub>2</sub> gas mixing jet with Venturi effect

Cat. No	Description	List Price	Promo Price
16644183	CO <sub>2</sub> incubator CBS170-230V	6 250,00	4 312,50
16654183	CO <sub>2</sub> incubator CBS260-230V	8 450,00	6 365,00

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## Thermo Scientific™ CO<sub>2</sub> Resistant Shakers

- Reliable around-the-clock operation ideally suited to keep cells flourishing within a CO<sub>2</sub> incubator
- Reduced footprint ideal for use in small incubators
- Speed 30 to 300rpm
- Extensive selection of accessories for versatility
- Can also be used as standalone unit
- External control box minimises disruption of samples
- Minimal heat dissipation for stable CO<sub>2</sub> chamber conditions
- Mechanical components protected up to 20% CO<sub>2</sub> at 95% humidity
- Convenient starter kit includes all required components

Cat. No	Description	List Price	Promo Price
15351105	CO <sub>2</sub> resistant shaker, 100-240V	2 920,00	1 787,66
15341105	CO <sub>2</sub> resistant shaker package includes shaker, universal platform and clamp starter kit	2 716,00	1 911,32

## Eppendorf™ Innova™ 42R Incubator Shakers

- Stackable or benchtop incubator shakers with optional refrigeration
- Use on or under the bench, or double-stacked to save space
- Optional culture drawer, gassing manifold, remote alarm and humidity monitor are available
- Cast iron triple-eccentric counterbalanced drive provides years of dependable operation
- Programmable controls automatically change temperature, speed and optional photosynthetic and UV germicidal lights at timed intervals
- Large viewing window and internal light provide easy viewing of samples without the need to open the door
- Built-in water reservoir humidifies chamber to reduce sample evaporation, while also protecting unit from spills; includes a drain for easy cleaning
- Versatile accessory platforms (sold separately) accommodates flasks up to 4L plus test tube racks and microplate holders
- Speed: 25 to 400rpm

Cat. No	Model	Orbit, cm	List Price	Promo Price
11340025	Innova 42R	1.9	11 070,00	8 625,97
11360025	Innova 42R	2.5	11 070,00	8 625,97
11345964	Innova 44R	2.5	16 860,00	13 137,65

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## Eppendorf™ S41i CO<sub>2</sub> Incubator Shaker

The New Brunswick™ S41i CO<sub>2</sub> Incubator Shaker is designed for applications that require highly reproducible results, for example protein expressions. Its triple excentric drive allows stable, uniform and vibration-free shaking.

- Experimental flexibility: perforated shelf allows for static incubation at the same time as shaking
- Ensures surface sterility: automatic high-temperature disinfection and inner/outer door
- Fast and reliable cleaning: smooth, seamless chamber
- Shaking speed 25 to 400rpm (25 to 300rpm if stacked)

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Cat. No	Description	List Price	Promo Price
15511911	CO <sub>2</sub> Incubator with built-in shaker S41i 230V, 50HZ	14 726,40	10 854,83

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## Eppendorf™ Innova™ S44i Orbital Shaker

With the highest flask capacity in a smaller footprint, grow more cells in less space. The new touchscreen user interface provides easy operation and facilitates the creation of multi-step programmes for automated control.

- The new proprietary Eppendorf X-Drive with semi-automatic counterbalance technology provides smooth and uniform agitation
- High temperature uniformity across chamber for reproducible results
- Easily reach all your samples using the slide-out platform
- Alarm status, event log and user information is just one touch away

Cat. No	Description	List Price	Promo Price
15824075	Innova S44i, orbit 2.5cm, refrigerated	20 080,00	17 068,00

## Thermo Scientific™ Combination Refrigerator Freezers, ES Series

- Combination refrigerators and freezers are an ideal choice when there is limited space in the laboratory
- Deliver performance and security for samples
- Integrated controller with high and low alarms
- Low energy consumption
- ATEX models certified spark-free
- High- and low-temperature alarms
- All units include door locks and access ports
- Remote alarm contacts
- Temperature range: +1 to +10°C (refrigerator)/ -18 to -25°C (freezer)
- Includes: three shelves, two half baskets
- Dimensions (l x w x h) exterior: 540 x 600 x 1680mm

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Cat. No	Description	List Price	Promo Price
12673176	ES series combination refrigerator/freezer 263L	1 507,00	1 064,52

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## Thermo Scientific™ TDE™ Series Ultra Low Freezers

Thermo Scientific TDE Series ultra-low freezers now feature four upright models in the full product portfolio, maximising storage capacity from 30,000 up to 60,000 2mL vials. New sustainability features include natural refrigerants and water-blown foam, compliant with many sustainability standards.

- Dependable -80°C storage with energy savings and sustainability features designed to keep your samples safe
- New, redesigned user interface
- Small lab footprint versus sample capacity
- Long warm-up time in case of power failure
- Low noise levels below 53 dBA
- Natural hydrocarbon refrigerant
- Fast door opening recovery, designed for daily usage
- Low peak variation of temperature

Cat. No	Capacity	List Price	Promo Price
16367151	400 x 51mm boxes (40,000 x 2mL vials)	13 105,00	8 368,61
16387151	600 x 51mm boxes (60,000 x 2mL vials)	15 480,00	9 909,76

## Thermo Scientific™ TSX™ Series Ultra Low Freezers

Now available in an expanded range of capacities, Thermo Scientific TSX Series ultra-low freezers are designed to meet the highest standards in reliability, sustainability and temperature management. At the heart of the TSX Series is V-drive compressor technology, designed to adapt to user patterns, substantially reducing energy costs without compromising on performance. All TSX Series freezers are manufactured in a zero-waste facility and are built with natural refrigerants and water-blown foam insulation.

- Designed to the highest protection and sustainability standards in ULT (Ultra Low Temperature) storage
- Low energy usage
- Fastest door opening recovery available at 17 minutes
- Best temperature uniformity
- Redesigned user interface
- Small laboratory footprint versus sample capacity
- Long warm-up time in case of power failure
- Extremely low noise levels

Cat. No	Capacity	Temperature range	List Price	Promo Price
15768587	549L (40,000 x 2mL vials)	-50°C to -80°C	15 951,00	11 477,93
15788587	816L (60,000 x 2mL vials)	-50°C to -85°C	18 407,00	13 245,19

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# Accelerate your research: outsource to our R&D scientists

Using state-of-the-art technologies, our expert team can help throughout the early drug discovery workflow.

With more than 20 years of experience in developing reliable, high-quality solutions, trust our team of scientists to help ensure the best workflow options for your research goals. Our wide range of service capabilities leverages a diverse portfolio of quality and consistency, built by some of the most recognised life science brands in the industry, including Applied Biosystems™, Invitrogen™, and Gibco™.

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## Complete Optimisation and Validation Solutions for Drug Discovery

Target ID and validation	Assay development	Screening and lead ID	Lead optimisation
<p>Identification of gene targets and linkage to diseases</p> <p>siRNA screening</p> <p><b>CRISPR screening</b></p> <ul style="list-style-type: none"> <li>LentiArrayCRISPR libraries</li> </ul> <p><b>Gene to protein services</b></p> <ul style="list-style-type: none"> <li>Applications from target ID and validation to assay development and screening</li> </ul> <p><b>Custom peptides</b></p> <p>Solutions across the drug discovery workflow:</p> <ul style="list-style-type: none"> <li>PEPotecSRM Libraries</li> <li>HeavyPeptideAQUA standards</li> <li>Standard peptides</li> </ul> <p><b>Custom Antibody Production</b></p> <ul style="list-style-type: none"> <li>Monospecific polyclonals</li> <li>-Monoclonals</li> <li>-ABfinity™ Recombinant Antibodies</li> <li>-Hybridoma Expansion (to 100L)</li> </ul> <p><b>Screening</b></p> <p>Loss of function Screening:</p> <ul style="list-style-type: none"> <li>siRNA, Silencer Select</li> <li>-CRISPR, LentiArray Libraries</li> </ul>	<p>Creating test systems to evaluate the effects of compounds on a target</p> <p><b>Biochemical assay technologies</b></p> <ul style="list-style-type: none"> <li>LanthaScreenantibodies as well as Adaptaand Z'-LYTE kinase assay kits</li> </ul> <p><b>Cellular assay technologies</b></p> <ul style="list-style-type: none"> <li>GeneBLAzer, CellSensor, and Tango cells</li> </ul> <p><b>Genome editing</b></p> <ul style="list-style-type: none"> <li>TALs and CRISPR</li> </ul> <p><b>Cell line production</b></p> <ul style="list-style-type: none"> <li>Stable cell line generation                             <ul style="list-style-type: none"> <li>-Transfection</li> <li>-Lentiviral transduction</li> </ul> </li> <li>Jump-In and Flip-In for stable expression</li> <li>BacMam reagent for transient expression</li> </ul> <p><b>Stem Cell Services</b></p> <ul style="list-style-type: none"> <li>Reprogramming</li> <li>Genome editing</li> <li>Differentiation</li> <li>Cas9-iPSC</li> </ul> <p><b>Cell line characterisation</b></p> <ul style="list-style-type: none"> <li>Karyostat assay</li> <li>PluriTestAnalysis Tool</li> <li>TaqMan PSC Scorecard Panel</li> </ul> <p><b>Custom peptides</b></p> <ul style="list-style-type: none"> <li>HeavyPeptideAQUA custom synthesis service</li> </ul> <p><b>Immunoassays</b></p> <ul style="list-style-type: none"> <li>Assay development &amp; testing services</li> </ul>	<p>Rapid identification of active compounds</p> <p><b>Bulk screening reagents</b></p> <ul style="list-style-type: none"> <li>Custom protein production service</li> <li>Antibody labeling services</li> <li>Bulk kinases and assay reagents</li> <li>Cell provisioning services</li> </ul> <p><b>SelectScreenprofiling services—biochemical</b></p> <ul style="list-style-type: none"> <li>Kinase</li> <li>Nuclear receptors</li> </ul> <p><b>Library screening services</b></p> <ul style="list-style-type: none"> <li>Custom library screening</li> <li>Directed evolution (mutagenesis) services</li> </ul>	<p>Demonstrate efficacy, optimise specificity and establish safety of drugs in cellular models</p> <p><b>SelectScreenprofiling services—cellular</b></p> <ul style="list-style-type: none"> <li>GPCR</li> <li>Nuclear receptors</li> <li>Biochemical</li> </ul> <p><b>Drug metabolism</b></p> <ul style="list-style-type: none"> <li>P450</li> <li>Cryohepatocytes</li> </ul> <p><b>Drug safety</b></p> <ul style="list-style-type: none"> <li>hERG</li> <li>Nuclear receptors</li> </ul> <p><b>Custom peptides</b></p> <ul style="list-style-type: none"> <li>AQUA-grade peptides</li> </ul>

Find out more at [thermofisher.com/customservices](http://thermofisher.com/customservices)

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[www.fishersci.be](http://www.fishersci.be)

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## Eppendorf™ CryoCube™ F570h ULT Freezer

The Eppendorf CryoCube F570 ULT freezers offer a combination of minimal operating costs and superior sample protection. With a five-compartment layout and five inner doors for easy sample access, the solid polyurethane foam shields your valuable samples.

- Air-cooled model
- Capacity: 570 L, holds up to 40,000 samples
- Consumes only 7.6 kWh/day (230 V)
- Pull-down time to -80°C: only three and a half hours

Cat. No	Description	List Price	Promo Price
15493623	CryoCube F570h Freezer, 230V/ 50Hz, UK Plug	<del>11 390,00</del>	8 395,57

## Eppendorf™ CryoCube™ F740hi with Touchscreen Interface

Known for their energy efficiency, reliability, and worry-free, long-term sample preservation. The polyurethane insulation and vacuum insulation panels, combined with a highly efficient cooling system achieve and maintain ultra-low temperatures of -86°C.

- Vacuum insulation panels in the device body and door reinforced polyurethane insulation ensures efficient insulation
- External door with handle on the left or right for optimum space utilisation in the laboratory
- Easy-to-read, flush-mounted control panel at eye level with alarm function
- Includes either three or five compartments that can be equipped with Eppendorf racks or other well-known brands
- Each shelf has louvres for rapid temperature adjustment

Cat. No	Description	List Price	Promo Price
15932381	CryoCube F740hi ULT Freezer, five inner compartments	<del>14 180,00</del>	11 198,66

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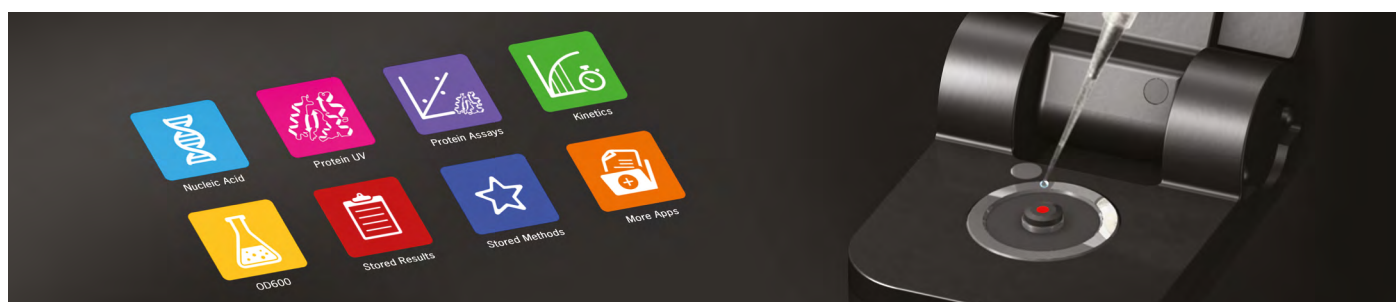


## Binder™ UF V Series Ultra Low Temperature Freezers

Binder™ UF V ULT (-86°C, Ultra Low Temperature) freezers combines environmental friendliness with low energy consumption and convenient operation.

- Lowest energy consumption in its class
- Powerful cascade compressor cooling unit
- Environmentally friendly refrigerants R-290 and R-170
- Efficient thermal insulation with vacuum insulation panels
- Ergonomic door handle
- Rust-proof interior, three shelves and detachable inner doors all made of stainless steel
- Ethernet interface
- Two access ports (28mm) at the rear

Cat. No	Model	Capacity, L	List Price	Promo Price
15983042	UFV500-230V	477	14 980,00	9 440,33
15901102	UFV700-230V	700	13 600,00	8 372,09



## NanoPhotometer® NP80 UV/Vis Spectrophotometer

**8,000+ scientific publications worldwide**

- NanoVolume and cuvette capability
- Maintenance and recalibration free
- Built-in vortex

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[www.implen.de](http://www.implen.de)



### **Nucleic Acid and Protein Quantification**

Intuitive graphical user interface providing one-step method access to pre-programmed methods including all standard UV/VIS methods in the range from 200 – 900 nm.

### **Flexible Unit Control**

Stand-alone operation via touchscreen or optional control via computer (Windows/MAC), smartphone or tablet.

### **Data Export/Saving/Printing**

Data saving optional on internal storage (File Server), network folder or USB flash drive. LIMS integration possible via REST API. Printing via local/network HP printer or DYMO printer.

### **True Path and Sample Compression Technology™**

Accurate determination of e. g. nucleic acids/protein concentrations. No drift over lifetime. Maintenance and recalibration free. No reconditioning needed.

### **CFR21 Software**

Complies with US FDA 21 CFR Part 11 requirements and is an optional software tool ideal for GxP laboratories. IQ/OQ documentation available.

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## Implen™ NanoPhotometer™ NP80 Nano-Volume and Cuvette UV-VIS Spectrophotometer

The Implen NanoPhotometer™ NP80 UV/Vis spectrophotometer for NanoVolume and cuvette applications. Quantify DNA, RNA or proteins and scan other samples within seconds.

- Detection range: dsDNA 1ng/μL to 16,500ng/μL
- Minimum sample size: 0.3μL
- Scan range: 200nm to 900nm

Cat. No		List Price	Promo Price
15485824	NanoPhotometer NP80 UV/Vis spectrophotometer	10 700,00	9 095,00

## Eppendorf™ ThermoMixer™ C

Improve your assay results by dry incubation and mixing of your samples simultaneously with this mixer. The Eppendorf ThermoMixer™ C is ideal for heating, cooling and mixing almost any of your smaller lab vessels. Reliable prevention of condensate formation in small vessels can be achieved with the optional Eppendorf ThermoTop heated lid. Compatible with all common vessels and plate formats from 5μL to 50mL are accommodated by Eppendorf SmartBlocks for standard applications.

- Scanning diode array technology combined with colour touchscreen navigation
- Excellent 2DMix-Control technology results in excellent sample mixing
- Anti-spill technology prevents lid wetting and cross-contamination
- Increased mixing frequency of up to 3,000 rpm for effective sample mixing

Cat. No	Description	List Price	Promo Price
13527550	ThermoMixer C are accommodated by, 220-240V EU plug	2 618,00	2 212,90
13518470	SmartBlock 24x1.5mL tubes	543,00	458,98
13528470	SmartBlock 24x2.0mL tubes	543,00	461,03
13588470	SmartBlock PCR 96 210 with lid	675,00	573,12
13527630	ThermoTop for ThermoMixer C	459,00	387,98

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## Vacuubrand™ RZ Series Rotary Vane Pumps

Use for a wide range of laboratory and process applications that require low ultimate vacuum at medium gas flow rate. Vacuubrand™ RZ Series pumps are high-performance rotary vane pumps with a very compact design and low weight.

- High flow rates even at vacuum levels approaching ultimate vacuum
- High water vapour tolerance due to efficient gas ballast; very good ultimate vacuum even with gas ballast
- Vacuum-tight at switch-off; external anti-suckback valve not needed for large oil volume
- Long intervals between oil changes; ease of maintenance due to telescopic design

Cat. No		List Price	Promo Price
10719901	RZ 6 Rotary Vane Pump, 3.4/4 CFM	2-760,00	1 865,93
10594322	RZ 2.5 Rotary Vane Pump, 1.4/1.7 CFM	2-305,00	1 561,95



## Thermo Scientific™ Genesys™ 150 Spectrophotometers

The GENESYS 150 UV-Vis Spectrophotometer is a more advanced model providing automation for high-throughput options and room-light resistance, allowing lid-open operation for improved speed and convenience. A full line of accessories, including automated cell changers and cell holders, sipper and fibre optic probes are designed to simplify sampling and accommodate high-throughput measurements and temperature control. Designed for advanced teaching labs and R&D departments.

- Hard-wearing, compact spectrophotometers providing high-performance, reliability and ease of use
- 178mm (7-inch) high-resolution touchscreen user interface
- These instruments are designed with a sloping surface to shed spills and a washable sample compartment for easy cleaning
- Local control for speed and reliability
- Networking capable (Wi-Fi ready) with data export options

Cat. No		List Price	Promo Price
16614932	GENESYS 150 UV-Vis Spectrophotometer, EU plug	6-344,00	5 075,20





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## Jenway™ Model 7200 Visible Scanning Spectrophotometer

Covering a wavelength range of 335 to 800nm with a spectral bandwidth of 7nm, this spectrophotometer is ideal for a variety of applications in education and routine testing in clinical, veterinary, pharmaceutical and QC laboratories. The 101mm touchscreen display allows full spectrum scans, quantitation curves and kinetics runs to be viewed easily. The touchscreen capability enables users to zoom in and out and select spectral analysis points, all by simply tapping on the screen.

- Scanning diode array technology combined with colour touchscreen navigation enables fast and reliable measurements
- Wide choice of additional measuring units
- Temperature compensation and correction coefficient
- Visible measuring cell reduces risk of air bubbles
- Measurement range: 335 to 800nm
- Wavelength accuracy:  $\pm 2$ nm
- Spectral bandwidth: 7nm

Cat. No	Description	List Price	Promo Price
15552026	Jenway™ 7200 visible scanning spectrophotometer	2 105,00	1 603,00

## Invitrogen™ Neon™ Transfection System

Get superior transfection efficiencies from many different cell types including primary cells, stem cells and difficult-to-transfect cells with the Invitrogen Neon Transfection System, our simple-to-use, yet versatile electroporation system.

- Superior transfection efficiency
- Efficiency of up to 90% in many cell types, including difficult-to-transfect cells, primary, and stem cells
- Flexibility: easily transfect from  $2 \times 10^4$  cells to  $6 \times 10^6$  cells per reaction
- Simplicity: with a single reagent kit for all cell types
- Versatility: open system allows electroporation parameters to be optimised freely
- Easy-to-use protocols for many cell types

Cat. No	Description	List Price	Promo Price
10431915	Neon Transfection System	6 840,00	5 472,00
10090314	Neon Transfection System Starter Pack (includes device with 10 $\mu$ L and 100 $\mu$ L reaction kits)	8 830,00	7 064,00

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## Applied™ Biosystems™ SimpliAmp™ Thermal Cycler

The SimpliAmp is small, easy to use and accurate and suits most laboratory's needs for everyday PCR. Constructed with reliable engineering and performance, it is designed to deliver quiet cycling, and features a safe, heated lid and a large LCD colour touchscreen.

- Elegant, simple and precise, with a compact design to save on bench space
- Incorporates VeriFlex™ blocks to optimise PCR temperature with precision - these blocks provide three independent temperature zones
- Large 20.3cm (8 inch) colour touchscreen is highly responsive for simple instrument operation with an easy-to-read intuitive interface
- WiFi-enabled for convenient remote monitoring from anywhere
- Simple lid design to protect the samples: when open, it is in an upright position for easy handle access; pull the handle forward to close the lid with ease
- Heated lid will open automatically if not closed properly to help safeguard precious samples
- Ready-to-use USB drive to easily back up data
- Thermal simulation modes to replicate other PCR experiments
- For hot start PCR, RT-PCR, routine PCR
- Not high-throughput compatible

Cat. No	Description	List Price	Promo Price
15224438	SimpliAmp™ Thermal Cycler with VeriFlex three-zone block	5 240,00	4 192,00

## Invitrogen™ Countess™ II FL Automated Cell Counter

The Countess™ II FL offers fast automated cell counting and viability in less than 10 seconds with no need to buy slides or tips. It has two optional user-changeable fluorescence channels with over 20 light cubes to choose from.

- For fast, automated cell counting, average cell size and viability in less than ten seconds with no need to buy slides or tips
- Eliminate the subjectivity of manual cell counting and minimise user-to-user variability
- Convenient and easy to use, with a capacitive touch screen and a simple user interface providing quick startup with minimal training
- With USB drive for storing and transferring data to PC or computer
- Requires no cleaning or routine maintenance

Cat. No	Description	List Price	Promo Price
15307812	Countess™ II FL Automated Cell Counter	6 780,00	5 424,00

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