Automated laboratory solutions
e-catalogue 2023

KBIOSYSTEMS
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Welcome to the kbiosystems automated laboratory solutions e-catalogue. kbiosystems has been providing automation to the life science, plant and animal science, biofuel, diagnostic automation and automotive sectors, since 1991.

This catalogue demonstrates our range of plate sealers, plate handlers, blowdown evaporators, barcode applicators, colony pickers and PCR automated thermal cyclers. All products are fully designed, engineered and manufactured by kbiosystems.

Where you see this icon, clicking on it will take you to the relevant product on our website, where you will find more detailed information.

Wherever you are in the catalogue, click this icon to return to this contents page.

To order, or for further information on any of our products, please call us on **+44 (0)1268 522431**, or email **sales@kbiosystems.com**

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CONTENTS

Ultraseal CAP-LITE

Manual microplate and tube rack cap and mat applicator

The Ultraseal CAP-LITE is the manual version of our semi-automated Ultraseal CAP-PRO. Pulling down on the sturdy hand pull applies friction sealing mats or septum sealing caps to SBS format tube racks. Simply place your rack or plate with its associated friction mat or septum cap web in the drawer, push it firmly shut and pull down the hand pull to seal.

The Ultraseal CAP-LITE offers a highly economical route into cap and mat application for laboratories running smaller throughputs.

◆ Works with most commercially available septum cap mats
◆ Works with 2D-coded and uncoded tubes in SBS-format racks
◆ Handles friction and septum seals for 96-, 48- and 24-tube plates
◆ Supplied with reversible plate shuttle for shallow or deep well plates
◆ Alternative rack adaptors available to order

Width	120mm
Depth	314mm
Height (handle height additonal depending on positon)	130mm
Product code	**250-10019**

Ultraseal CAP-PRO

Semi-automated microplate and tube rack cap and mat applicator

The Ultraseal CAP-PRO has been designed to take the strain out of applying friction sealing mats or septum sealing caps to SBS format tube racks. Simply place your rack or plate with its associated friction mat or septum cap web in the drawer and push it firmly shut. Initiate sealing with the large, glove-friendly start button and the sophisticated electronics take over, applying reproducible and even pressure every time to force the septum seals down into each tube. Time after time, the Ultraseal CAP-PRO does the hard work for you. It's more reproducible, quicker and less likely to cause a strain injury than trying to do this manually. The compact unit requires only a 110v or 220v power supply to operate and is small enough to sit on most lab benches.

◆ Works with most commercially available septum cap mats
◆ Works with 2D-coded and uncoded tubes in SBS-format racks
◆ Handles friction and septum seals for 96-, 48- and 24-tube plates
◆ Three pressure settings
◆ Supplied with 4.5mm and 14mm high rack adaptors
◆ Alternative rack adaptors available to order

Width	180mm
Depth	285mm
Height	280mm
Power requirement	110-220 VAC
Product code	**250-10080**

Ultraseal LITE

Semi-automated heat-applied plate sealer

The Ultraseal LITE (formerly the eFly) is a semi-automated heat-applied microplate and tube rack sealer. The unit uses pre-cut sheets of surface modified aluminium or plastic film, approximately 78mm wide and 130mm in length, applied to the plate top surface to create the seal between plate and film.

◆ Desktop semi-automated heat-applied plate and tube sealing system
◆ Seal SBS format micro well plates
◆ Seal plate height with no adjustment from 9mm to 48mm high
◆ Temperature range from ambient to 200°C
◆ Seal time from 0.1 to 9.9 seconds
◆ Simple slide operation
◆ Automatic eject when timed seal completed
◆ Combined temperature and seal time display
◆ 110/220 vac power compatible
◆ No compressed air required

Width	180mm
Depth	285mm
Height	280mm
Power requirement	110-220 VAC
Product code	**250-10071**

Ultraseal PRO

Automated heat-applied microplate and tube rack sealer

The Ultraseal PRO (formerly the Wasp) is an automated heat-applied microplate and tube rack sealer. The unit uses a roll of surface modified aluminium or plastic film approximately 78mm wide and 610m long, positioned to the rear of the sealing section. Using a total inline method, the film is pulled through the main unit, cut to between 125mm and 130mm in length and then applied to the plate top surface to create the seal between plate and film.

◆ Automated heat-applied microplate and tube rack sealer
◆ Uses a roll of surface modified aluminium or plastic film
◆ Works with a wide range of plates, tube racks and custom applications
◆ Seals support polystyrene, polypropylene and CoC & CoP plate formats
◆ Both pneumatically and electrically operated
◆ Gas Purge option available
◆ Automatic eject when timed seal completed
◆ Combined temperature and seal time display
◆ Compressed air required
◆ 6 plates per minute

Width	195mm
Depth	630mm
Height	450mm
Power requirement	110-220 VAC
Product code	**250-10069**

Ultraseal ePRO-MINI

Automated heat-applied microplate and tube rack sealer

The Ultraseal ePRO-MINI uses proprietary cut sheet and framed heat seals of surface modified aluminium or plastic film.

The seal pack (20 seals) is positioned in the removable sealing draw section. Using a uniquely designed seal pickup process, the seal is applied to the plate top surface to create the seal between plate and film.

Offering complete versatility, Ultraseal ePRO-MINI will work with a wide range of plates, tube racks, shallow and deep well formats and custom mouldings. Our latest range of seals support polystyrene, polypropylene and CoC & CoP plate formats, with a range of film substrates.

◆ All electric operation removes the risk of cross contamination inherent in compressed air
◆ Intuitive touchscreen user interface
◆ Closed loop-controlled sealing temperature
◆ Tool-free foil loading
◆ Automatically compensates for plate heights
◆ Variable seal time and temperature control via screen or comms

Width	338mm
Depth	314mm
Height	310mm
Power requirement	110-220 VAC
Product code	**250-10085***

Ultraseal ePRO

Full electrical operation plate sealer

Featuring all-electric operation, the Ultraseal ePRO removes the risk of cross contamination inherent in compressed air powered sealers. The use of force sensors allows dynamic feedback during the entire sealing process to ensure homogenous sealing, all controlled through the intuitive touchscreen interface. Capable of handling foil lengths between 118mm and 128mm, the eSeal automatically compensates for variations in plate heights.

◆ All-electric operation, removing the risk of cross-contamination inherent in compressed air powered sealers
◆ No need for expensive compressed air supply
◆ Intuitive touchscreen user interface
◆ Variable foil length 118mm to 128mm
◆ Closed-loop seal force monitoring and control system
◆ Sealing force tolerance allows the force applied to be defined
◆ Closed-loop controlled sealing temperature
◆ Tool-free foil loading; gas permeable films can be processed
◆ Automatically compensates for plate heights
◆ User-settable variable seal time and pressures via screen or comm
◆ Quieter than conventional pneumatically driven units

Width	234mm
Depth	845mm (shuttle out, including film roll)
Height	530mm
Power requirement	110-220 VAC
Product code	**250-10039**

Ultraseal XT-PRO

Automated heat applied microplate and tube rack sealer

The Ultraseal XT-PRO unit is an automated heat applied microplate and tube rack sealer. The unit uses a roll of surface modified aluminium or plastic film approx. 78mm wide and 610m long, positioned to the rear of the sealing section. Using a total inline method, the film is pulled through the main unit, cut to between 125mm and 130mm in length and then applied to the plate top surface to create the seal between plate and film. Offering complete versatility, the sealer will work with a wide range of plates, tube racks and custom applications shallow and deep well formats, and custom mouldings. Our latest range of seals support polystyrene, polypropylene and CoC & CoP plate formats with a range of film substrates please contact us for further details.

◆ Able to use multiple manufacturers' plates across applications
◆ Supports polystyrene, polypropylene and CoC & CoP plate formats
◆ Easy to program
◆ Operator and integrator friendly

Width	175mm
Depth	625mm
Height	440mm
Power requirement	110-220 VAC
Product code	**250-10011XT**

Ultraseal COLD-PRO

Automated adhesive plate sealer

The Ultraseal COLD-PRO unit is an automated adhesive pressure applied microplate and tube rack sealer. The unit uses a roll of surface modified aluminium or plastic film approx. 80mm wide and 200m long, positioned to the rear of the sealing section. Using a total inline method, the film is pulled through the main unit, cut to between 124mm and 130mm in length and then applied to the plate top surface to create the seal between plate and film.

◆ Automated adhesive pressure applied microplate and tube rack sealer
◆ Uses a roll of surface modified aluminium or plastic film
◆ Works with a wide range of plates, tube racks and custom applications
◆ Seals support polystyrene, polypropylene and CoC & CoP plate formats
◆ Complete solution to application of adhesive and pressure based films
◆ Both pneumatically and electrically operated
◆ Easy to program and operator and integrator friendly

Width	125mm
Depth	390mm
Height	270mm
Power requirement	115-240 VAC
Product code	**250-10081**

Firefly

Heat sealer and laser cutting platform

The Firefly uses a fiber laser to generate a beam using a core laser source and amplify it in specially designed glass fibers, supplied with energy via pump diodes. With a pulsed beam width of 1um, the beam produces an extremely small focal diameter, making the intensity up to 100 times greater than conventional CO2 lasers. The Firefly is highly suited for absorbent materials for high-contrast plastic marking or cutting. The unit is maintenance-free, and promises a long service life.

◆ Designed for SBS format tube racks
◆ Plates/tube racks can be pre-scored leaving minimal seal thickness to reduce tip/probe piercing pressures
◆ Tubes can be individualised to allow random access in any format
◆ Plate/tube rack heights with no adjustment from 7mm to 48mm high
◆ Seal pierce operational compliant, allows plates to be stored fully sealed then pre-pierced to reduce tip damage
◆ Auto plate/rack present, foil present and low air sensing
◆ Plate density independent, 96, 384, 1536, 3456 and higher
◆ Plates can be resealed and then re-pierced multiple times

Width	455mm
Depth	640mm (shuttle in), 830mm (shuttle out)
Height	730mm
Power requirement	110-220 VAC
Product code	**250-10050**

SPE PRESSURE SYSTEM

UltraPPM LITE

Positive pressure filtration system

Positive Pressure liquid displacement system, by the use of adjustable two stage positive pressure manifold liquids, can be passed through filtration plates into their component collection plate below.

This use of pressure rather than vacuum can allow a clean pass through from filter to collection plate.

◆ Increase sample preparation throughput
◆ Fine control of pressure and flow for high reproducibility
◆ Compatible with wide range of 96-, 384-, 24- and 48-well plates
◆ SPE, PLR, SLE, filtration applications
◆ Simple, safe and reliable

Width	280mm
Depth	340mm
Height	305mm
Pneumatic supply	7bar (105psi), 100LPM
Product code	**250-10083**

Scorpion

SBS plate handler

The Scorpion range offers the user the ability to step up to automated plate handling with a number of OEM liquid handling systems.

Offering complete versatility, the Scorpion will work with a wide range of plates, tube racks, shallow and deep well formats.

◆ Easy to program
◆ Operator and integrator friendly
◆ Able to use multiple plastic ware manufacturers' plates
◆ Robustly engineered
◆ Handles plates with or without lids (lid lift optional)
◆ Direct integration via RS232 link
◆ Proprietary firmware and application driver
◆ Handles all SBS footprint applications and range of racks

Width	773mm
Depth	665mm
Height	650mm (full height stack plate range), 325mm (half height)
Power requirement	110-220 VAC
Product code	**250-10024**

eGecko²

Automated SBS and Petri dish barcode applicator

The eGecko² barcode applicator utilises a robust and proven custom designed label printer. The system is a completely integrated printer and application unit in one, requiring only an electrical supply. With easy swap head operation you can apply labels to flat and curved surfaces with one simple change.

Utilising proprietary software, this enables the creation of label position and the ability to run the eGecko² automation simultaneously. Integrated third party software, Bartender, is used to direct drive data to the printer. Alternative data can be used upon request.

Using a fully integrated PC, eGecko² allows you to connect live to your network LIMs system to allow data transfer and validation of application label. Using the on board optional verification mode, you can print and verify all labels to ensure no unreadable labels enter your work flow.

- ◆ Fully automated with own PC control
- ◆ Individual internal generation of labels
- ◆ Works directly with OEM label creation software via application card
- ◆ Individual programmable macros stored in PC
- ◆ Uses robust and proven label print engines
- ◆ Electrical supply only

Width	489mm
Depth	395mm
Height	626mm
Power requirement	110-240 VAC 6amp 50/60Hz
Product code	**250-10066**

ValiData

Automated Tube barcode applicator

The ValiData label applicator offers the ideal solution to labelling / re-labelling tube racks. ValiData utilises a robust and proven custom designed label printer. The system is a completely integrated printer and application unit in one.

Using a fully integrated PC allows you to connect live to your network LIMs system to allow data transfer and validation of application label. Using the on board optional verification mode you can print and verify all labels to ensure no unreadable labels enter your work flow.

Utilising our rotary Z axis motion we offer ultimate applicator with no need to adjust between plate types and label position simply call the application macro and apply the label. Both capped or open tubes can be processed. Labels are verified using the onboard ccd reader.

- ◆ Operator friendly; easy to program
- ◆ Able to use multiple plastic ware manufacturers' plates
- ◆ Ability to apply to SBS plate types or custom holders
- ◆ Average label cycle 12 seconds

Width	1290mm
Depth	640mm
Height	844mm
Power requirement	110-220 VAC 13amp 50/60Hz
Product code	**250-10061**

Ultravap® Mini

Blowdown evaporator

The Ultravap Mini blowdown evaporator is purpose designed for low usage research and development departments where low numbers of individual plates or vials need drying. The Ultravap Mini is simple to operate and maintain. Installation requires only connection to a gas supply and standard mains socket. With manual control of the needle depth, gas temperature and flow rate, it allows fine control and quicker drying times than other standard methods.

◆ Quicker dry down times than standard methods such as vacuum oven
◆ Designed for any ANSI/SLAS 96-well plate
◆ 24 & 48 vial heads now available
◆ Simple to install and operate
◆ Easy adjustments of temperature, gas flow rates and needle depth into the wells
◆ Compact footprint - fits all standard fume cupboards
◆ Simple manual operation for the occasional procedure
◆ Maximum temperature 60C
◆ Maximum flow rate 90 l/min
◆ 241 x 380 mm bench requirement

Width	240mm
Depth	370mm
Height	385mm
Power requirement	110-230v
Product code	**250-10013**

Ultravap Gemini

Blowdown evaporator

The nitrogen drydown process is ideal for lower boiling point organic solvents such as methanol, dichloromethane, hexane and acetonitrile.
The robust design of the Ultravap Gemini evaporator brings together for the first time in our range two individually temperature-regulated evaporation positions with a wide choice of head styles and configurations. This means you can dry down a 96-well deep well plate at the same time as 48 HPLC vials. This breakthrough in productivity will speed up the evaporation bottleneck in your laboratory, increase the sensitivity of your analyses and quicken sample processing times.

◆ Dual plate capability to double sample throughput
◆ Simplifies switching between different heads
◆ Max temp / flow: 60C and 90 l/min
◆ Individual gas and temperature setting for each plate
◆ Simultaneously dry two plates or quickly switch between plate formats
◆ Choice of evaporator heads
◆ Compact, lightweight design (321 x 365 mm bench space)

Width	380mm
Depth	370mm
Height	385mm
Power requirement	110-230v
Product code	**250-10051**

Ultravap Levante

Blowdown evaporator

The Ultravap Levante is an ideal starter evaporator for the efficient concentration of samples. The standalone instrument is designed to consistently and reproducibly evaporate organic solvents from samples. Precisely engineered to ANSI/SLAS standard, the Ultravap Levante evaporator is designed to securely fit all microplate formats and tube racks for glass vials up to 45 mm.

◆ Reproducible Evaporation: Advanced head technology for consistent hot gas injection in each tube and well
◆ High Sample Throughput: Choice of 12-, 24-, 48-, 96- and 384 needle heads
◆ Clean Concentration: System built to eliminate risk of cross-contamination
◆ Three programmable steps per method
◆ Five method storage
◆ Maximum temperature 80C
◆ Maximum flow rate 90 l/min
◆ Ideal for sensitive samples: Bulk of sample remains at ambient, only the surface is heated
◆ Intuitive Design: Slim and compact

Width	195mm
Depth	440mm
Height	400mm
Power requirement	110-230v
Product code	**250-10049**

Ultravap Mistral

Blowdown evaporator

The new flat front profile and platform shuttle on the Ultravap Mistral enables greater interfacing with liquid-handling robots for increased automation efficiency. Reproducible sample throughput is achieved by recent advancements in gas injection technology to directly and consistently deliver heated gas in each well and tube. The Ultravap Mistral is a highly sophisticated automation-friendly model, offering significant throughput advantages to laboratories looking to optimise sample preparation.

◆ Automation-Friendly: Flat front profile and platform shuttle for greater interfacing with liquid-handling instruments
◆ Reproducible Evaporation: Advanced head technology for consistent hot gas injection (up to 80C) in each tube and well
◆ High Sample Throughput: Choice of 12-, 24-, 48-, 96- and 384 needle heads
◆ Clean Concentration: System: Built to eliminate risk of cross-contamination. Ideal for sensitive samples
◆ Ideal for sensitive samples: Bulk of sample remains at ambient, only the surface is heated

Width	195mm
Depth	440mm
Height	400mm
Power requirement	110-230v
Product code	**250-10045**

Ultravap Mistral XT150

Blowdown evaporator

The Ultravap Mistral XT150 blowdown evaporator is designed to remove the traditional laboratory 'bottleneck' of solvent evaporation from glass tubes. The new flat front profile and platform shuttle enables greater interfacing with liquid-handling robots for increased automation efficiency. Reproducible sample throughput is achieved by recent advancements in gas injection technology to directly and consistently deliver heated gas in each tube (up to 150 mm in height). The Ultravap Mistral XT150 is a highly sophisticated automation-friendly model and offers significant throughput advantages to laboratories looking to optimise sample preparation.

◆ Automation-Friendly: Flat front profile and platform shuttle for greater interfacing with liquid-handling instruments
◆ Reproducible Evaporation: Advanced head technology for consistent hot gas injection (up to 80C) in each tube and well
◆ Custom design of holders and needle heads for individual sample types
◆ Clean Concentration: System built to eliminate risk of cross-contamination. Ideal for sensitive samples
◆ Ideal for sensitive samples: Bulk of sample remains at ambient, only the surface is heated
◆ Intuitive Design: Slim and compact bench-friendly design with built-in LED lights for greater sample visibility

Width	195mm
Depth	440mm
Height	735mm
Power requirement	110-230v
Product code	**250-10045-XT150**

K6³

Automated colony picking system

K6³ automated colony picking systems represent an ideal entry-level system for laboratories looking for reliable, consistent identification and extraction for sample recovery.

Offering complete versatility, the K6³ Series will work with a wide range of plates for both source and destination, such as microplates (96,384 shallow and deep well formats), Petri Dishes (from 4 to 15cms), Omni style trays, multi-well growth plates and bio assay trays.

Picking accuracy is in excess of 98.5%. The use of different pin types allow transfer volumes to be defined and all pins are manufactured in 316 stainless steel for ease of cleaning and longevity.

The system is available in three configurations: K6³ picker only, K6³ XT picker with automated destination plates, single or dual lane and K6³ XL picker with automated source trays and destination plates (single or dual lane).

◆ Picking accuracy in excess of 98.5%
◆ Full positional feedback
◆ Imaging carried out via USB3 camera system

K6³ (picker only)	1000mm x 799mm (HxW)
K6³ XT (picker with automated destination plates)	1000mm x 1215mm (HxW)
K6³ XL (picker with automated source trays and destination plates)	1000mm x 1934mm (HxW)
Product code (K6³ picker only)	**250-10059**

K8

Automated colony picking system

The K8 series of automated colony picking systems offer laboratories the ideal medium throughput solution for reliable, consistent identification and extraction for sample recovery.

Offering complete versatility, the K8 series will work with a wide range of plates for both source and destination, such as microplates (96, 384 shallow and deep well formats), Petri dishes (from 4 to 15cms), Omni style trays, multi-well growth plates and bio assay trays.

An increase in operational capacity is offered with the option to fit one or two destination plate automation lanes. These allow the processing of up to 220 standard destination plates and up to 60 deep well blocks. Second stage automation allows the automatic handling of 8 source tray locations.

The system is available in three configurations: K8 picker only, K8 XT picker with automated destination plates (single or dual lane) and K8 XL picker with automated source trays and destination plates (single or dual lane).

◆ Picking accuracy in excess of 98.5%.
◆ Full positional feedback
◆ Imaging carried out via USB3 camera system

K8 (picker only)	1078mm x 1665mm (HxW)
K8 XT (picker with automated destination plates)	1078mm x 2276mm (HxW)
K8 XL (picker with automated source trays and destination plates)	1078mm x 2990mm (HxW)
Product code (K8 picker only)	**250-10048**

PCR

Thermal cycler automated systems

The DT-24 uses a three tank water bath system to create the desired temperatures for all steps of the PCR process. Our patented compression basket system allows the use of 96-, 384- and even 1536-well PCR plates to be cycled without changing the basket or modifying the heater blocks as is currently required in Peltier units. We use plate holders to maintain pressure and as a side effect of this, we have found that once cycled, the plates also remain flat for improved post-PCR operations. The compression basket also allows the use of adhesive or easily removable seal for multiplex type operations.

The DT-24 Thermal Cycling PCR system is an alternative way of carrying out medium and high throughput PCR protocols on DNA replication and incubation to micro well format plates.

Conventionally, Peltier heat transfer units have been used to carry out these operations, however, these can prove costly when trying to increase productivity throughput, and do not optimise the yield potential.

◆ Reduced energy used by the systems
◆ Cost of system change over between varying plates
◆ Area footprint of system
◆ Increased yield of post-PCR product
◆ Decreased cycle times
◆ Easy to program
◆ Able to use multiple plastic ware manufacturer's plates across applications
◆ Robustly engineered

Width	700mm
Depth	1650mm
Height	1550mm
Power rating	15kW
Product code	**250-10079 - (415V 3 phase) or (220V single phase USA)**

Heat seals

78mm wide rolls

Product code	Seal type	Size
ClearASeal Peel		
9095-10101-078LR	ClearASeal Peel	500M x 78mm
9095-10101-078SR	ClearASeal Peel - Sterile	500M x 78mm
9095-10101-078TR	ClearASeal Peel	5M x 78mm
ClearASeal Pierce		
9095-10103-078LR	ClearASeal Pierce	610M x 78mm
9095-10103-078SR	ClearASeal Pierce - Sterile	610M x 78mm
9095-10103-078TR	ClearASeal Pierce	5M x 78mm
ClearASeal Weld		
9095-10102-078LR	ClearASeal Weld	610M x 78mm
9095-10102-078SR	ClearASeal Weld - Sterile	610M x 78mm
9095-10102-078TR	ClearASeal Weld	5M x 78mm
PeelASeal Foil		
9095-10104-078LR	PeelASeal Foil	610M x78mm
9095-10104-078SR	PeelASeal Foil - Sterile	610M x78mm
9095-10104-078TR	PeelASeal Foil	5M x 78mm
PeelASeal Foil Super		
9095-10114-078LR	PeelASeal Foil Super	610M x78mm
9095-10114-078SR	PeelASeal Foil Super - Sterile	610M x78mm
9095-10114-078TR	PeelASeal Foil Super	5M x 78mm
PeelASeal DMSO Foil		
9095-10105-078LR	PeelASeal DMSO Foil	500M x 78mm
9095-10105-078SR	PeelASeal DMSO Foil - Sterile	500M x 78mm
9095-10105-078TR	PeelASeal DMSO Foil	5M x 78mm
PierceASeal Foil		
9095-10106-078LR	PierceASeal Foil	610M x 78mm
9095-10106-078SR	PierceASeal Foil - Sterile	610M x 78mm
9095-10106-078TR	PierceASeal Foil	5M x 78mm

Heat seals ◉▸

78mm wide rolls (continued)

Product code	Seal type	Size
PierceASeal Foil Super		
9095-10115-078LR	PierceASeal Foil Super	610M x 78mm
9095-10115-078SR	PierceASeal Foil Super - Sterile	610M x 78mm
9095-10115-078TR	PierceASeal Foil Super	5M x 78mm
PierceASeal Foil PS		
9095-10107-078LR	PierceASeal Foil PS	610M x 78mm
9095-10107-078SR	PierceASeal Foil PS - Sterile	610M x 78mm
9095-10107-078TR	PierceASeal Foil PS	5M x 78mm
ThermASeal Foil		
9095-10108-078LR	ThermASeal Foil	500M x 78mm
9095-10108-078SR	ThermASeal Foil - Sterile	500M x 78mm
9095-10108-078TR	ThermASeal Foil	5M x 78mm
Gas PermASeal		
9095-10110-078LR	Gas PermASeal	200M x 78mm
9095-10110-078SR	Gas PermASeal - Sterile	200M x 78mm
9095-10110-078TR	Gas PermASeal	5M x 78mm
Gas PermASeal 2		
9095-10113-078LR	Gas PermASeal 2	610M x 78mm
9095-10113-078SR	Gas PermASeal 2 - Sterile	610M x 78mm
9095-10113-078TR	Gas PermASeal 2	5M x 78mm
ClearASeal Perf		
9095-10111-078LR	ClearASeal Perf	610M x 78mm
9095-10111-078SR	ClearASeal Perf - Sterile	610M x 78mm
9095-10111-078TR	ClearASeal Perf	5M x 78mm

Heat seals

115mm wide rolls

Product code	Seal type	Size
ClearASeal Peel		
9095-10101-115LR	ClearASeal Peel	350M x 115mm
9095-10101-115SR	ClearASeal Peel - Sterile	350M x 115mm
9095-10101-115TR	ClearASeal Peel	5M x 115mm
ClearASeal Pierce		
9095-10103-115LR	ClearASeal Pierce	500M x 115mm
9095-10103-115SR	ClearASeal Pierce - Sterile	500M x 115mm
9095-10103-115TR	ClearASeal Pierce	5M x 115mm
ClearASeal Weld		
9095-10102-115LR	ClearASeal Weld	500M x 115mm
9095-10102-115SR	ClearASeal Weld - Sterile	500M x 115mm
9095-10102-115TR	ClearASeal Weld	5M x 115mm
PeelASeal Foil		
9095-10104-115LR	PeelASeal Foil	500M x 115mm
9095-10104-115SR	PeelASeal Foil - Sterile	500M x 115mm
9095-10104-115TR	PeelASeal Foil	5M x 115mm
PeelASeal Foil Super		
9095-10114-115LR	PeelASeal Foil Super	500M x 115mm
9095-10114-115SR	PeelASeal Foil Super - Sterile	500M x 115mm
9095-10114-115TR	PeelASeal Foil Super	5M x 115mm
PeelASeal DMSO Foil		
9095-10105-115LR	PeelASeal DMSO Foil	500M x 115mm
9095-10105-115SR	PeelASeal DMSO Foil - Sterile	500M x 115mm
9095-10105-115TR	PeelASeal DMSO Foil	5M x 115mm

Heat seals

115mm wide rolls (continued)

Product code	Seal type	Size
PierceASeal Foil		
9095-10106-115LR	PierceASeal Foil	500M x 115mm
9095-10106-115SR	PierceASeal Foil - Sterile	500M x 115mm
9095-10106-115TR	PierceASeal Foil	5M x 115mm
PierceASeal Foil PS		
9095-10107-115LR	PierceASeal Foil PS	500M x 115mm
9095-10107-115SR	PierceASeal Foil PS - Sterile	500M x 115mm
9095-10107-115TR	PierceASeal Foil PS	5M x 115mm
ThermASeal Foil		
9095-10108-115LR	ThermASeal Foil	350M x 115mm
9095-10108-115SR	ThermASeal Foil - Sterile	350M x 115mm
9095-10108-115TR	ThermASeal Foil	5M x 115mm
Gas PermASeal		
9095-10110-115LR	Gas PermASeal	200M x 115mm
9095-10110-115SR	Gas PermASeal - Sterile	200M x 115mm
9095-10110-115TR	Gas PermASeal	5M x 115mm
Gas PermASeal 2		
9095-10113-115LR	Gas PermASeal 2	500M x 115mm
9095-10113-115SR	Gas PermASeal 2 - Sterile	500M x 115mm
9095-10113-115TR	Gas PermASeal 2	5M x 115mm
ClearASeal Perf		
9095-10111-115LR	ClearASeal Perf	500M x 115mm
9095-10111-115SR	ClearASeal Perf - Sterile	500M x 115mm
9095-10111-115TR	ClearASeal Perf	5M x 115mm

Heat seals ◉▸

Cut sheets

Product code	Seal type	Sheets	Size
ClearASeal Peel			
9095-10101-078LS	ClearASeal Peel	100	125mm x 78mm
9095-10101-078SS	ClearASeal Peel - Sterile	100	125mm x 78mm
9095-10101-078TS	ClearASeal Peel	5	125mm x 78mm
ClearASeal Pierce			
9095-10103-078LS	ClearASeal Pierce	100	125mm x 78mm
9095-10103-078SS	ClearASeal Pierce -Sterile	100	125mm x 78mm
9095-10103-078TS	ClearASeal Pierce	5	125mm x 78mm
ClearASeal Weld			
9095-10102-078LS	ClearASeal Weld	100	125mm x 78mm
9095-10102-078SS	ClearASeal Weld - Sterile	100	125mm x 78mm
9095-10102-078TS	ClearASeal Weld	5	125mm x 78mm
PeelASeal Foil			
9095-10104-078LS	PeelASeal Foil	100	125mm x 78mm
9095-10104-078SS	PeelASeal Foil - Sterile	100	125mm x 78mm
9095-10104-078TS	PeelASeal Foil	5	125mm x 78mm
PeelASeal Foil Super			
9095-10114-078LS	PeelASeal Foil Super	100	125mm x 78mm
9095-10114-078SS	PeelASeal Foil Super - Sterile	100	125mm x 78mm
9095-10114-078TS	PeelASeal Foil Super	5	125mm x 78mm
PeelASeal DMSO Foil			
9095-10105-078LS	PeelASeal DMSO Foil	100	125mm x 78mm
9095-10105-078SS	PeelASeal DMSO Foil - Sterile	100	125mm x 78mm
9095-10105-078TS	PeelASeal DMSO Foil	5	125mm x 78mm
PierceASeal Foil			
9095-10106-078LS	PierceASeal Foil	100	125mm x 78mm
9095-10106-078SS	PierceASeal Foil - Sterile	100	125mm x 78mm
9095-10106-078TS	PierceASeal Foil	5	125mm x 78mm

Heat seals

Cut sheets (continued)

Product code	Seal type	Sheets	Size
PierceASeal Foil PS			
9095-10107-078LS	PierceASeal Foil PS	100	125mm x 78mm
9095-10107-078SS	PierceASeal Foil PS - Sterile	100	125mm x 78mm
9095-10107-078TS	PierceASeal Foil PS	5	125mm x 78mm
ThermASeal Foil			
9095-10108-078LS	ThermASeal Foil	100	125mm x 78mm
9095-10108-078SS	ThermASeal Foil - Sterile	100	125mm x 78mm
9095-10108-078TS	ThermASeal Foil	5	125mm x 78mm
Gas PermASeal			
9095-10110-078LS	Gas PermASeal	100	125mm x 78mm
9095-10110-078SS	Gas PermASeal - Sterile	100	125mm x 78mm
9095-10110-078TS	Gas PermASeal	5	125mm x 78mm
Gas PermASeal 2			
9095-10113-078LS	Gas PermASeal 2	100	125mm x 78mm
9095-10113-078SS	Gas PermASeal 2 - Sterile	100	125mm x 78mm
9095-10113-078TS	Gas PermASeal 2	5	125mm x 78mm
ClearASeal Perf			
9095-10111-078LS	ClearASeal Perf	100	125mm x 78mm
9095-10111-078SS	ClearASeal Perf - Sterile	100	125mm x 78mm
9095-10111-078TS	ClearASeal Perf	5	125mm x 78mm

Heat seals

Adhesive seals

Product code	Seal type	Quantity	Size
QuickSeal PCR			
9095-10120-080LR	QuickSeal PCR	Roll	100M x 80mm
9095-10120-080SR	QuickSeal PCR - Sterile	Roll	100M x 80mm
9095-10120-080LS	QuickSeal PCR	Pk of 100 Sheets	135mm x 80mm
9095-10120-080SS	QuickSeal PCR - Sterile	Pk of 100 Sheets	135mm x 80mm
9095-10120-080TS	QuickSeal PCR	Pk of 5 Sheets	135mm x 80mm
QuickSeal qPCR Crystal			
9095-10121-080LR	QuickSeal qPCR Crystal	Roll	100M x 80mm
9095-10121-080SR	QuickSeal qPCR Crystal - Sterile	Roll	100M x 80mm
9095-10121-080LS	QuickSeal qPCR Crystal	Pk of 100 Sheets	140mm x 80mm
9095-10121-080SS	QuickSeal qPCR Crystal - Sterile	Pk of 100 Sheets	140mm x 80mm
9095-10121-080TS	QuickSeal qPCR Crystal	Pk of 5 Sheets	140mm x 80mm
3M qPCR Crystalography			
9095-10103-100M	3M qPCR Crystalography	Roll	100M x 80mm
QuickSeal q Optic			
9095-10122-080LR	QuickSeal q Optic	Roll	100M x 80mm
9095-10122-080SR	QuickSeal q Optic - Sterile	Roll	100M x 80mm
9095-10122-080LS	QuickSeal q Optic	Pk of 100 Sheets	130mm x 80mm
9095-10122-080SS	QuickSeal q Optic - Sterile	Pk of 100 Sheets	130mm x 80mm
9095-10122-080TS	QuickSeal q Optic	Pk of 5 Sheets	130mm x 80mm
QuickSeal Gas Perm			
9095-10124-080LR	QuickSeal Gas Perm	Roll	100M x 80mm
9095-10124-080SR	QuickSeal Gas Perm - Sterile	Roll	100M x 80mm
9095-10124-080LS	QuickSeal Gas Perm	Pk of 100 Sheets	130mm x 80mm
9095-10124-080SS	QuickSeal Gas Perm - Sterile	Pk of 2 x (25) Sheets	130mm x 80mm
9095-10124-080TS	QuickSeal Gas Perm	Pk of 5 Sheets	130mm x 80mm

Heat seals

Adhesive seals (continued)

Product code	Seal type	Quantity	Size
QuickSeal Foil PCR			
9095-10129-080LR	QuickSeal Foil PCR	Roll	200M x 80mm
9095-10129-080SR	QuickSeal Foil PCR - Sterile	Roll	200M x 80mm
9095-10129-080LS	QuickSeal Foil PCR	100 Sheets	130mm x 80mm
9095-10129-080SS	QuickSeal Foil PCR - Sterile	100 Sheets	130mm x 80mm
9095-10129-080TS	QuickSeal Foil PCR	5 Sheets	130mm x 80mm
QuickSeal Micro			
9095-10125-080LR	QuickSeal Micro	Roll	110M x 80mm
9095-10125-080SR	QuickSeal Micro - Sterile	Roll	110M x 80mm
9095-10125-080LS	QuickSeal Micro	100 Sheets	135mm x 80mm
9095-10125-080SS	QuickSeal Micro - Sterile	100 Sheets	135mm x 80mm
9095-10125-080TS	QuickSeal Micro	5 Sheets	135mm x 80mm
QuickSeal DMSO X Film			
9095-10126-080LS	QuickSeal DMSO X Film	100 Sheets	140mmx 80mm
9095-10126-080SS	QuickSeal DMSO X Film - Sterile	100 Sheets	140mmx 80mm
9095-10126-080TS	QuickSeal DMSO X Film	5 Sheets	140mmx 80mm
QuikSeal DMSO Std			
9095-10131-080LR	QuikSeal DMSO Std	Roll	100M x 80mm
9095-10131-080SR	QuikSeal DMSO Std - Sterile	Roll	100M x 80mm
9095-10131-080LS	QuikSeal DMSO Std	100 Sheets	140mmx 80mm
9095-10131-080SS	QuikSeal DMSO Std - Sterile	100 Sheets	140mmx 80mm
9095-10131-080TS	QuikSeal DMSO Std	5 Sheets	140mmx 80mm

Heat seals

Adhesive seals (continued)

Product code	Seal type	Quantity	Size
QuickSeal Gas Perm Woven			
9095-10132-080LR	QuickSeal Gas Perm Woven	Roll	150M x 80mm
9095-10132-080SR	QuickSeal Gas Perm Woven - Sterile	Roll	150M x 80mm
9095-10132-080LS	QuickSeal Gas Perm Woven	100 sheets	140mm x 80mm
9095-10132-080SS	QuickSeal Gas Perm Woven - Sterile	100 sheets	140mm x 80mm
9095-10132-080TR	QuickSeal Gas Perm Woven	Roll	5M x 80mm
9095-10132-080TS	QuickSeal Gas Perm Woven	5 sheets	140mm x 80mm
De-Sealing Adhesive Tape			
9095-10301-085DS	D-Seal Seal Removal Tape	5 Rolls	100M x 86mm

Ordering information

PLATE SEALERS

Description	Product code	Quantity
Ultraseal CAP-LITE (PAGE 3)	**250-10019**	**1**
Ultraseal CAP-PRO (PAGE 3)	**250-10080**	**1**
Ultraseal LITE (PAGE 4)	**250-10071**	**1**
Ultraseal PRO (PAGE 4)	**250-10069**	**1**
Integration plate for Ultraseal PRO	150-10024-202	1
Ultraseal ePRO-MINI (PAGE 5)	**250-10085***	**1**
Ultraseal ePRO (PAGE 5)	**250-10039**	**1**
Integration plate for Ultraseal ePRO	150-10024-215	1
Gas plate purge	150-10039-103	
Plate adaptors set of 3	150-10021-029	
Skirtless plate adaptor 96-well	1010-28121-072	
Plate adaptor flat top 384 PCR plate	1010-28121-073	
Ultraseal XT-PRO (PAGE 6)	**250-10011XT**	1
Double extending shuttle	150-10021-101	1
Gas plate purge	150-10021-103	1
Plate adaptors set of 3	150-10021-029	Set of 3
Skirtless plate adaptor 96-well	1010-28121-072	1
Plate adaptor flat top 384 PCR plate	1010-28121-073	1
Quiet Oil Free Compressor	8081-10083	1
Silent Oil Free Compressor	8081-10084	1

Ordering information

PLATE SEALERS (continued)

Description	Product code	Quantity
Ultraseal COLD-PRO (PAGE 6)	**250-10081**	**1**
Additional Vacuum upgrade for gas permeable film	150-10014-023	1
Active plate clamp	150-10014-101	
Quiet Oil Free Compressor	8081-10083	1
Silent Oil Free Compressor	8081-10084	1
Plate adaptors	On request – please contact us with details of plate type and sample	
Firefly (PAGE 7)	**250-10050**	**1**
SPE PRESSURE SYSTEM UltraPPM LITE (PAGE 7)	**250-10083**	**1**

Ordering information

PLATE HANDLERS

Description	Product code	Quantity
Scorpion Plate Handling System (right hand feed) (PAGE 8)	**250-10024**	**1**
Scorpion Plate Handling System Right Hand feed – long arm +62mm reach	250-10024-001EXT	1
Scorpion Plate Handling System Left Hand feed	250-10024-002	1
Scorpion Plate Handling System Left Hand feed - long arm +62mm reach	250-10024-002EXT	1
Scorpion Nexcelom Celigo system	250-10024-002NXL	1
Scorpion Hidex Sense system	250-10024-002HDX	1
Scorpion Thermo Multidrop system	250-10024-002TH	1
Scorpion Thermo Versa system	250-10024-002THV	1
Scorpion hotels (ordered separately)		
Standard hotel short (non-lidded, includes plate weight)	150-10024-101S	1
Standard hotel tall (non-lidded, includes plate weight)	150-10024-101T	1
Standard hotel short (lidded, includes plate weight)	150-10024-102SL	1
Standard hotel tall (lidded, includes plate weight)	150-10024-102TL	1
Short hotel black out kit (short stack)	150-10024-101BKS	1
Short hotel black out kit (tall stack)	150-10024-101BKT	1
Vacuum lid lift	150-10024-103	1
Hotel plate weight each (additional weight)	1010-28271-169	1

BARCODE APPLICATORS

Description	Product code	Quantity
eGecko2 (PAGE 9)	**250-10066**	**1**
Integration plate for eGecko2	150-10024-216	1
ValiData (PAGE 9)	**250-10061**	**1**

Ordering information

EVAPORATORS

Description	Product code	Quantity
Ultravap Mini (PAGE 10)	**250-10013**	**1**
96 Straight Needle Head	150-10002-012	1
96 Spiral Needle Head	150-10002-013	1
384 Straight Needle Head	150-10002-014	1
24 Straight Needle Head	150-10002-015	1
48 Straight Needle Head	150-10002-016	1
Ultravap Gemini (PAGE 10)	**250-10051**	**1**
96 Straight Needle Head	150-10002-012	1
96 Spiral Needle Head	150-10002-013	1
384 Straight Needle Head	150-10002-014	1
24 Straight Needle Head	150-10002-015	1
48 Straight Needle Head	150-10002-016	1
Ultravap Levante (PAGE 11)	**250-10049**	**1**
96 Straight Needle Head	150-10002-012	1
96 Spiral Needle Head	150-10002-013	1
384 Straight Needle Head	150-10002-014	1
24 Straight Needle Head	150-10002-015	1
48 Straight Needle Head	150-10002-016	1
Ultravap Mistral (PAGE 11)	**250-10045**	**1**
96 Straight Needle Head	150-10002-012	1
96 Spiral Needle Head	150-10002-013	1
384 Straight Needle Head	150-10002-014	1
24 Straight Needle Head	150-10002-015	1
48 Straight Needle Head	150-10002-016	1
Mistral CAN Bus Cable 32 and CAN Lead	150-10045-005	1

Ordering information

EVAPORATORS (continued)

Description	Product code	Quantity
Ultravap Mistral XT150 (PAGE 12)	**250-10045**	**1**
18mm 3 x 4 (4 needles per Well) Kit	150-10045-100	1
18mm/16mm 3 x 4 (4 needles per Well) Head Only	150-10045-100A	1
18mm 3 x 4 Tube Holder Only	150-10045-100B	1
16mm 3 x 4 (4 needles per Well) Kit	150-10045-101	1
18mm/16mm 3 x 4 (4 needles per Well) Head Only	150-10045-100A	1
16mm 3 x 4 Tube Holder Only	150-10045-101B	1
15mm 3 x 4 (4 needles per Well) Kit	150-10045-102	1
15mm 3 x 4 (4 needles per Well) Head Only	150-10045-102A	1
15mm 3 x 4 Tube Holder Only	150-10045-102B	1
13mm 5 x 3 (3 needles per Well) Kit	150-10045-103	1
13mm 5 x 3 (3 needles per Well) Head Only	150-10045-103A	1
13mm 5 x 3 Tube Holder Only	150-10045-103B	1
10mm 6 x 5 (1 needle per Well) Kit	150-10045-104	1
10mm 6 x 5 (1 needle per Well) Head Only	150-10045-104A	1
10mm 6 x 5 Tube Holder Only	150-10045-104B	1
96 Straight Needle Head	150-10045-105	1
48 Straight Needle Head	150-10045-106	1
Mistral CAN Bus Cable 32 and CAN Lead	150-10045-005	1

Ordering information

COLONY PICKERS

Description	Product code	Quantity
K6³ Desktop System with Colony Picking Option (PAGE 13)	**250-10059**	**1**
Plate Hive	250-10064-001	1
Tray Hive 6 location standard unit	250-10030-006	1
Product Stack Options		
Standard Hotel Short (Non-lidded, includes plate weight)	150-10024-101S	1
Standard Hotel Tall (Non-lidded, includes plate weight)	150-10024-101T	1
Standard Hotel Short (Lidded, includes plate weight)	150-10024-102SL	1
Standard Hotel Tall (Lidded, includes plate weight)	150-10024-102TL	1
Short hotel Black out kit (Short Stack Only)	150-10024-101BKS	1
Short hotel Black out kit (Short Stack Only)	150-10024-101BKT	1
Hotel Plate Weight each (additional weight)	1010-28271-169	1
Product Options		
4 Plate Replication Option	150-10059-102	1
2 Plate Re-Arraying Option	150-10059-103	1
1 Plate fluorescent Colony Picking (GFP)	150-10059-101	1
HEPA Filter enclosure	150-10059-106	1
Consumable Spares		
16 Pin Picking Head	150-10036-001	1
32 Pin Arraying / Replication Head Std Series	150-10036-003	1
32 Pin Arraying / Replication Head Long Series	150-10036-004	1
Petri Dish image tray 4 position 8cm dish	150-10036-005	1
Petri Dish image tray 1 position 15cm dish	150-10036-005	1
Wash Bath Brushes (each)	2029-10008	1
Picking Pins Sharp Point Ecoli 66mm (** point type)	1010-28094-002**	1
Picking Pins Barb Point Yeast	1010-2059051-014	1
Arraying Pin**	Please contact us and state point size	

Ordering information

COLONY PICKERS (continued)

Description	Product code	Quantity
K6[3] (continued)		**1**
Quiet Oil Free Compressor	8081-10083	1
Silent Oil Free Compressor	8081-10084	1
K8 High Throughput Colony Picking System (PAGE 13)	**250-10048**	**Details on request**

PCR THERMAL CYCLER AUTOMATED SYSTEMS

Description	Product code	Quantity
DT-24 (PAGE 14)	**250-10079 = (415V 3 phase) or (220V single phase USA)**	**1**

HEAT SEALS

For a full list of our range of heat seals, please see pages 15 (78mm wide roll), 17 (115mm wide roll), 19 (cut sheets) and 21 (adhesive seals).

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porvair

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