

LABODIA

Microplate Seal Solutions

Focused  on You



For the past 25 years, Labodia has committed ourselves to the research industry.

Your needs, demands and expectations motivated us to strive for excellence in service and your continued support has helped us to achieve our goal. For that, we'd like to thank you.

To live up to our reputation of excellent service and support, we have expanded our range of quality products through a global chain of strategic partnerships. This will enable you to obtain an ever broadening range to cater for your everyday needs and more.

This product guide was put together with you in mind and convenience at heart. We hope it provides you with a selection broad enough to satisfy your everyday needs, however, we are always open to suggestions! If you can't find what you are looking for, we will - that is our commitment.

The Labodia Team

placing your orders



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Other Ranges of Popular Products

onyx fine tools



high absorbent



laboratory



contamination



necta water



MicroPlate sealing



Labodia is now able to satisfy a growing demand for consistency in MicroPlate sealing.

Driven by our suppliers technological leadership and the needs of our customers – and drawing on over 40 years combined expertise in this market and flexible materials and adhesives – we are now a relied on supplier of advanced MicroPlate seals and laminates to protect MicroPlate contents.

Our quality systems, production and cleanroom facilities, choice of advanced materials and exhaustive testing mean that you can select Labodia Scientific MicroPlate sealing products with confidence.

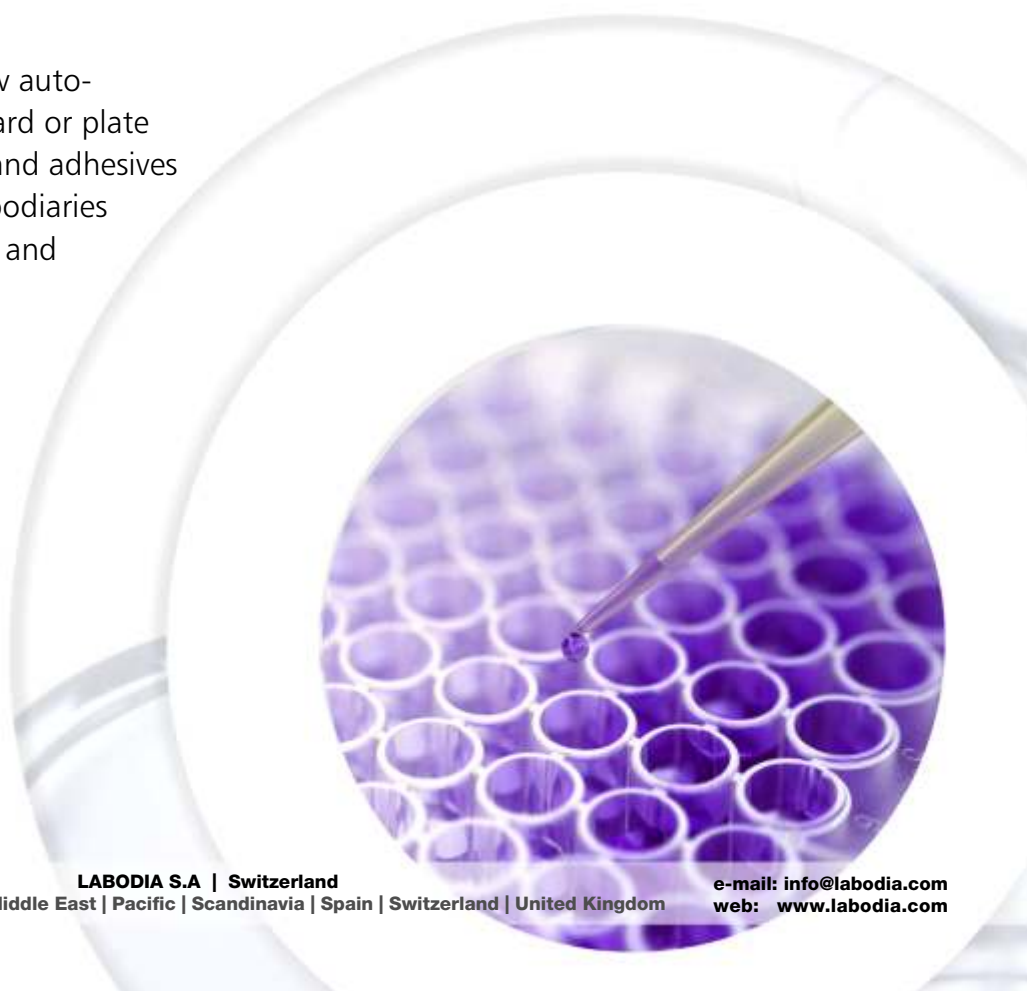
Labodia Microplate Seals – A Complete Range
Labodia offers a range of seals and laminates for:

- Drug discovery and molecular diagnostic
- Films and adhesives to address evaporation control for micro/nano fluid storage and mixing
- Optically clear films with low auto-fluorescence that allow for card or plate detection through the seal and adhesives that withstand the chemicals used for molecular diagnostics and drug discovery.

- Heat Seal and Self Adhesive options to suit a variety of MicroPlate materials for Polymerase Chain Reaction(PCR)
- Gas Permeable seals, impervious to fluids, for cell, seed and insect culture.
- Specially selected manual and auto Sealing Machines and Plate Stackers – call us to discuss these options.

Exceptional Customer Service

Labodia carries a broad range of Branded products available from stock, thus being able to provide a service second to none. With an international airport dedicated to cargo processing, less than 45 minutes away, easy access to major motor links and excellent rail networks, Labodia is ideally positioned to provide exceptional service to its customers, including a price guarantee and quick delivery from our warehouse.



Credible Quality

Labodia's microplate seal manufacturing partners are ISO9001-2008 and ISO13485-2003 certified, with ISO7 Clean Rooms (Class 10,000). In addition to this, the management and monitoring processes guarantee that quality systems are firmly in place to meet the high technical demands that our customers in this industry expect.

Fully compliant with FDA and cGMP - current Good Manufacturing Process, provides you with the highest level of Quality Assurance you deserve.

With our extensive product testing and in-depth technical & commercial expertise, we provide you the necessary documentary support to enable you to bring product to market as efficiently and as cost-effectively as possible. What's more, our confidential approach consistently safeguards the integrity of your product development process.

Our processes, accreditations and commitment to the highest quality will ensure that you have complete confidence in Labodia as a long term supply partner of MicroPlate sealing solutions.

Our Quality Policy and Management System include a commitment to:

- Compliance with all applicable laws and regulations
- Continuous development
- Effective communication of quality objectives
- Taking care of employees, customers, partners and other stakeholders
- Working closely with both customers and suppliers to achieve stated objectives
- Adopting forward-looking business decisions
- Training staff in quality management

All Labodia Sterile Gamma Sterilised versions of our products are sterilised in accordance with the ISO11137 standard.

Our facilities hold ISO9001:2008 (certificate available on request) accreditation as well as full accreditation ISO13485:2003 (certificate available on request) for the production of MicroPlate seals.



All Labodia products carry the CE mark of quality assurance, providing you peace of mind that product safety is uppermost in our minds.

Inspection & Testing

All Labodia MicroPlate Seals undergo stringent inspection and test protocols, including:

- Visual testing – for purity and consistency.
- Functional testing – all our seals have been tested by industry standard equipment including real-life PCR thermo cyclers, multidetection microplate readers for clarity, fluorescence and UV absorbance.
- Dimensional testing – We use state-of-the-art equipment to verify that our seals have been produced to published tolerances.
- Biological testing – QC testing (certificate available on request) is carried out to ensure that products are free from nucleases (DNases & RNases) as well as human genomic DNA. Although every effort is made, including cleanroom manufacture, to maintain this level of cleanliness, best laboratory practice with regards to duplicate testing should be followed.

ISO7 Cleanrooms

Our manufacturing plant utilises 3 Class 10,000 (ISO7) Cleanrooms demonstrating the ongoing commitment to demand for converting & manufacturing in controlled environments.









Cleanrooms are maintained at a high standard & in accordance with the ISO14698:2003 for bio-contamination monitoring. Operation of Cleanroom based on positive pressure airflow through HEPA filters:

- Differential over-pressure level of 30pa above ambient
- Airlocks for personnel and materials handling to allow access whilst maintaining pressure levels
- Controlled access to operators with appropriate Cleanroom training and apparel
- Integrity held by regular validation, maintenance and cleaning programmes in accordance with ISO 14644:1999

To discuss your quality requirements and find out more about our audited inspection and testing procedures, please call us on...



Self Adhesive Sealing application guide

	Product Description	Appearance	Solvent resistance	Temp Range °C	Gas Permeable	Peelable/ Pierceable	Plates Types	Application
	QuickSeal PCR Transparent peelable film for PCR	Transparent film	Good	-20 to 110	No	Peelable	PP PS	PCR
	QuickSeal Micro Transparent peelable film for storage	Transparent film	None	-20 to 80	No	Peelable	PP PS	Sample storage (aqueous) Not recommended for PCR or low temperatures
	QuickSeal qOptic Transparent film with die-cut windows for qPCR	Transparent, with optical windows	Good	-20 to 80	No	Peelable	PP PS	qPCR, fluorescence, crystallography, genotyping.
	QuickSeal qPCR Crystal Clear non-tacky pressure sensitive film	Crystal clear	Good DMSO resistant	-40 to 110	No	Peelable Pierceable	PP PS	QPCR, fluorescence, crystallography, genotyping.
	QuickSeal Gas Perm Transparent perforated gas permeable film	Transparent film	Good	-20 to 80	Yes	Peelable Pierceable	PP PS	Bacterial culture, eukaryotic, suitable for imaging
	QuickSeal DMSO X Film Transparent solvent resistant film with x cuts	Transparent film	Good DMSO resistant	-40 to 80	No	Peelable Pierceable	PP PS	Temporary sealing, incl. DMSO, X-cut ideal for robotic sequencing, can be re-sealed
	QuickSeal DMSO Std Transparent solvent resistant film	Transparent film	Good DMSO resistant	-40 to 80	No	Peelable	PP PS	Compound storage, DMSO resistant
	QuickSeal Foil PCR Foil Barrier Film	Foil	Good	-40 to 120	No	Peelable Pierceable	PP PS	PCR, microplate storage at low temperatures

Sealing equipment

KBS KAPS500/Sealt100

QuickSeal Manual Roller

QuickSeal Gas Perm

Key	Pack	Size	Product code
	1 Std LabRoll	100m x 80mm	IST-124-080LR
	1 Sterile LabRoll	100m x 80mm	IST-124-080SR
	100 Std LabSheets	130mm x 80mm	IST-124-080LS
	100 Sterile LabSheets	130mm x 80mm	IST-124-080SS
	5 trial LabSheets	130mm x 80mm	IST-124-080TS

QuickSeal PCR

Key	Pack	Size	Product code
	1 std LabRoll	100m x 80mm	IST-120-080LR
	1 Sterile LabRoll	100m x 80mm	IST-120-080SR
	100 std LabSheets	135mm x 80mm	IST-120-080LS
	100 Sterile LabSheets	135mm x 80mm	IST-120-080SS
	5 trial LabSheets	135mm x 80mm	IST-120-080TS

QuickSeal DMSO X Film

Key	Pack	Size	Product code
	100 Std LabSheets	140mm x 80mm	IST-126-080LS
	100 Sterile LabSheets	140mm x 80mm	IST-126-080SS
	5 trial LabSheets	140mm x 80mm	IST-126-080TS

QuickSeal Micro

Key	Pack	Size	Product code
	1 std LabRoll	110m x 80mm	IST-125-080LS
	1 Sterile LabRoll	110m x 80mm	IST-125-080SS
	100 std LabSheets	135mm x 80mm	IST-125-080LR
	100 Sterile LabSheets	135mm x 80mm	IST-125-080SS
	5 trial LabSheets	135mm x 80mm	IST-125-080TS

QuickSeal DMSO Std

Key	Pack	Size	Product code
	1 Std LabRoll	150m x 80mm	IST-131-080LR
	1 Sterile LabRoll	150m x 80mm	IST-131-080SR
	100 Std LabSheets	140mm x 80mm	IST-131-080LS
	100 Sterile LabSheets	140mm x 80mm	IST-131-080SS
	5 trial LabSheets	140mm x 80mm	IST-131-080TS

QuickSeal qOptic

Key	Pack	Size	Product code
	100 std LabSheets	130mm x 80mm	IST-122-080LS
	100 Sterile LabSheets	130mm x 80mm	IST-122-080SS
	5 trial LabSheets	130mm x 80mm	IST-122-080TS

QuickSeal Foil PCR

Key	Pack	Size	Product code
	1 Std LabRoll	200m x 80mm	IST-129-080LR
	1 Sterile LabRoll	200m x 80mm	IST-129-080SR
	100 Std LabSheets	130mm x 80mm	IST-129-080LS
	100 Sterile LabSheets	130mm x 80mm	IST-129-080SS
	5 trial LabSheets	130mm x 80mm	IST-129-080TS

QuickSeal qPCR Crystal

Key	Pack	Size	Product code
	1 std LabRoll	100m x 80mm	IST-121-080LR
	1 Sterile LabRoll	100m x 80mm	IST-121-080SR
	100 std LabSheets	140mm x 80mm	IST-121-080LS
	100 Sterile LabSheets	140mm x 80mm	IST-121-080SS
	5 trial LabSheets	140mm x 80mm	IST-121-080TS

Heat Sealing application guide

	Product Description	Appearance	Solvent resistance	Temp Range °C	Gas Permeable
	ClearASeal Peel Clear Peelable film with moderate solvent resistance	Transparent Film	moderate	-80 to 80	No
	ClearASeal Pierce for ABI 3730 Clear pierceable film with moderate solvent resistance	Transparent Film	moderate	-80 to 80, or 110 with pressurised PCR heated lids	No
	ClearASeal Weld Clear strong bond heat seal for water bath PCR	Transparent Film	Good, DMSO	-80 to 110	No
	PeelASeal Foil Peelable foil for PP plates	Foil (white laminate)	moderate	-80 to 110	No
	PeelASeal DMSO Foil DMSO Resistant Foil Peel Seal	Foil	Excellent	-80 to 80	No
	PierceASeal Foil Pierceable foil seal with good solvent resistance	Foil with green dashed line	Good, DMSO	-20 to 120	No
	PierceASeal Foil PS High grade pierceable peelable foil seal with good solvent resistance	Foil with solid green line	Good, DMSO	-20 to 110	No
	ThermASeal Foil Strong bonding foil to PP for water thermal cyclers	Foil	Good, DMSO	-200 to 110	No
	PeelASeal Black Foil Peelable low fluorescence foil for light sensitive	Black Foil	Good, DMSO	-20 to 80	No
	Gas PermASeal non-woven gas permeable peelable, for cell culture	Non-woven cream	None	-20 to 80	Yes, impervious to fluids
	ClearASeal Perf Clear perforated gas permeable film for cell & seed culture	Transparent Film, perforated	moderate	-80 to 80	Yes

Peelable/ Pierceable	Plates Types	PCR Temp & Dwell Time	Application
Peelable	PP, PE, PS, COC	180°C 2 secs	qPCR, short term compound storage
pierceable	PP, PE, PS, COC	175°C 2 secs	Recommended for use with Abi 3730 PCR sequencer
No	PP	175°C 2 secs	Optically clear, ideal for water bath PCR, use with DMSO & hazardous materials
peelable	PP	175°C 2 secs	PCR, good liquid barrier, low temp short term compound storage, can be re-sealed
peelable	PP	175°C 2 secs	Compound storage at low & ambient temperature, with DMSO & other solvents
pierceable	PP, PS	175°C 2 secs	PCR, compound storage, sample shipping, can be sealed over existing seal
pierceable, peelable to PS plates	PP, PS	175°C 2 secs	PCR, low temp compound storage, short term ambient temp storage, can be re-applied.
peelable	PP	175°C 2 secs	PCR, ideal for water bath thermo cyclers, long term compound storage for hazardous materials
peelable	PP, PS	190°C 3 secs	Ideal for light sensitive or fluorescent applications
pierceable peelable	PP, PS	160°C 2 secs	Short term incubation, agriculture & seed storage, cell culture, for use in autoclaves
peelable	PP, PE, PS, COC	175°C 2 secs	Short term incubation, seed & insect storage, cell culture, can be resealed for transport

Sealing equipment

KBS Wrap, Chameleon, Kube, Flexiseal, ThermoALPS300/3000, REMP Portrait (78mm)
Agilent VII PlateLoc, REMP Landscape (115mm)
KBS EFLY®, Kaseal, 4x2

ClearASeal Peel

Key	Pack	Size	Product code
	1 Std LabRoll	500m x 78mm	IST-101-078LR
	1 Sterile LabRoll	500m x 78mm	IST-101-078SR
	1 VII Std LabRoll	350m x 115mm	IST-101-115LR
	1 Sterile VII LabRoll	350m x 115mm	IST-101-115SR
	100 Std LabSheets	125mm x 78mm	IST-101-078LS
	100 Sterile LabSheets	125mm x 78mm	IST-101-078SS
	Trial Roll 78mm wide	5m x 78mm	IST-101-078TR
	Trial Roll 115mm wide	5m x 115mm	IST-101-115TR
	Trial Sheets	125mm x 78mm	IST-101-078TS

ClearASeal Pierce for ABI 3730

Key	Pack	Size	Product code
	1 Std LabRoll	610m x 78mm	IST-103-078LR
	1 Sterile LabRoll	610m x 78mm	IST-103-078SR
	1 VII Std LabRoll	500m x 115mm	IST-103-115LR
	1 Sterile VII LabRoll	500m x 115mm	IST-103-115SR
	100 Std LabSheets	125mm x 78mm	IST-103-078LS
	100 Sterile LabSheets	125mm x 78mm	IST-103-078SS
	Trial Roll 78mm wide	5m x 78mm	IST-103-078TR
	Trial Roll 115mm wide	5m x 115mm	IST-103-115TR
	Trial Sheets	125mm x 78mm	IST-103-078TS

ClearASeal Weld

Key	Pack	Size	Product code
	1 Std LabRoll	610m x 78mm	IST-102-078LR
	1 Sterile LabRoll	610m x 78mm	IST-102-078SR
	1 VII Std LabRoll	500m x 115mm	IST-102-115LR
	1 Sterile VII LabRoll	500m x 115mm	IST-102-115SR
	100 Std LabSheets	125mm x 78mm	IST-102-078LS
	100 Sterile LabSheets	125mm x 78mm	IST-102-078SS
	Trial Roll 78mm wide	5m x 78mm	IST-102-078TR
	Trial Roll 115mm wide	5m x 115mm	IST-102-115TR
	Trial Sheets	125mm x 78mm	IST-102-078TS

PeelASeal Foil			
Key	Pack	Size	Product code
	1 Std LabRoll	610m x 78mm	IST-104-078LR
	1 Sterile LabRoll	610m x 78mm	IST-104-078SR
	1 VI Std LabRoll	500m x 115mm	IST-104-115LR
	1 Sterile VI LabRoll	500m x 115mm	IST-104-115SR
	100 Std LabSheets	125mm x 78mm	IST-104-078LS
	100 Sterile LabSheets	125mm x 78mm	IST-104-078SS
	1 Trial Roll 78mm wide	5m x 78mm	IST-104-078TR
	1 Trial Roll 115mm wide	5m x 115mm	IST-104-115TR
	5 Trial Sheets	125mm x 78mm	IST-104-078TS

ThermASeal Foil			
Key	Pack	Size	Product code
	1 Std LabRoll	500m x 78mm	IST-108-078LR
	1 Sterile LabRoll	500m x 78mm	IST-108-078SR
	1 VI Std LabRoll	350m x 115mm	IST-108-115LR
	1 Sterile VI LabRoll	350m x 115mm	IST-108-115SR
	100 Std LabSheets	125mm x 78mm	IST-108-078LS
	100 Sterile LabSheets	125mm x 78mm	IST-108-078SS
	1 Trial Roll 78mm wide	5m x 78mm	IST-108-078TR
	1 Trial Roll 115mm wide	5m x 115mm	IST-108-115TR
	5 Trial Sheets	125mm x 78mm	IST-108-078TS

PeelASeal DMSO Foil			
Key	Pack	Size	Product code
	1 Std LabRoll	500m x 78mm	IST-105-078LR
	1 Sterile LabRoll	500m x 78mm	IST-105-078SR
	1 VI Std LabRoll	500m x 115mm	IST-105-115LR
	1 Sterile VI LabRoll	500m x 115mm	IST-105-115SR
	100 Std LabSheets	125mm x 78mm	IST-105-078LS
	100 Sterile LabSheets	125mm x 78mm	IST-105-078SS
	1 Trial Roll 78mm wide	5m x 78mm	IST-105-078TR
	1 Trial Roll 115mm wide	5m x 115mm	IST-105-115TR
	5 Trial Sheets	125mm x 78mm	IST-105-078TS

PeelASeal Black Foil			
Key	Pack	Size	Product code
	1 Std LabRoll	500m x 78mm	IST-109-078LR
	1 Sterile LabRoll	500m x 78mm	IST-109-078SR
	1 VI Std LabRoll	350m x 115mm	IST-109-115LR
	1 Sterile VI LabRoll	350m x 115mm	IST-109-115SR
	100 Std LabSheets	125mm x 78mm	IST-109-078LS
	100 Sterile LabSheets	125mm x 78mm	IST-109-078SS
	1 Trial Roll 78mm wide	5m x 78mm	IST-109-078TR
	1 Trial Roll 115mm wide	5m x 115mm	IST-109-115TR
	5 Trial Sheets	125mm x 78mm	IST-109-078TS

PierceASeal Foil			
Key	Pack	Size	Product code
	1 Std LabRoll	610m x 78mm	IST-106-078LR
	1 Sterile LabRoll	610m x 78mm	IST-106-078SR
	1 VI Std LabRoll	500m x 115mm	IST-106-115LR
	1 Sterile VI LabRoll	500m x 115mm	IST-106-115SR
	100 Std LabSheets	125mm x 78mm	IST-106-078LS
	100 Sterile LabSheets	125mm x 78mm	IST-106-078SS
	1 Trial Roll 78mm wide	5m x 78mm	IST-106-078TR
	1 Trial Roll 115mm wide	5m x 115mm	IST-106-115TR
	5 Trial Sheets	125mm x 78mm	IST-106-078TS

Gas PermASeal			
Key	Pack	Size	Product code
	1 Std LabRoll	200m x 78mm	IST-110-078LR
	1 Sterile LabRoll	200m x 78mm	IST-110-078SR
	1 VI Std LabRoll	200m x 115mm	IST-110-115LR
	1 Sterile VI LabRoll	200m x 115mm	IST-110-115SR
	100 Std LabSheets	125mm x 78mm	IST-110-078LS
	100 Sterile LabSheets	125mm x 78mm	IST-110-078SS
	1 Trial Roll 78mm wide	5m x 78mm	IST-110-078TR
	1 Trial Roll 115mm wide	5m x 115mm	IST-110-115TR
	5 Trial Sheets	125mm x 78mm	IST-110-078TS

PierceASeal Foil PS			
Key	Pack	Size	Product code
	1 Std LabRoll	610m x 78mm	IST-107-078LR
	1 Sterile LabRoll	610m x 78mm	IST-107-078SR
	1 VI Std LabRoll	500m x 115mm	IST-107-115LR
	1 Sterile VI LabRoll	500m x 115mm	IST-107-115SR
	100 Std LabSheets	125mm x 78mm	IST-107-078LS
	100 Sterile LabSheets	125mm x 78mm	IST-107-078SS
	1 Trial Roll 78mm wide	5m x 78mm	IST-107-078TR
	1 Trial Roll 115mm wide	5m x 115mm	IST-107-115TR
	5 Trial Sheets	125mm x 78mm	IST-107-078TS

ClearASeal Perf			
Key	Pack	Size	Product code
	1 Std LabRoll	500m x 78mm	IST-111-078LR
	1 Sterile LabRoll	500m x 78mm	IST-111-078SR
	1 VI Std LabRoll	350m x 115mm	IST-111-115LR
	1 Sterile VI LabRoll	350m x 115mm	IST-111-115SR
	100 Std LabSheets	125mm x 78mm	IST-111-078LS
	100 Sterile LabSheets	125mm x 78mm	IST-111-078SS
	1 Trial Roll 78mm wide	5m x 78mm	IST-111-078TR
	1 Trial Roll 115mm wide	5m x 115mm	IST-111-115TR
	5 Trial Sheets	125mm x 78mm	IST-111-078TS

Heat Sealing Devices

- Desktop semi-automatic Heat Applied Plate Sealing System
- Seal SBS format micro well plates and tubes
- Seal plate height with no adjustment from 9-48mm high
- Temperature range from ambient to 200°C
- Seal time from 0.1-9.9 seconds
- Combined temperature and seal time display
- Lightweight system only 6kgs
- 110/220 vac power compatible
- No compressed air required



- Twin hotel plate stacks
- Narrow footprint well plates and tubes
- Directly plug and play with ALPS 300/3000 units
- Easy swap out stacks capable of holding up to 70 plates
- Handles lidded and non lidded plates
- Direct link into K6 desk top picker system
- OEM version available



- Fully automatic desktop heat applied plate sealing system
- Seal SBS format micro well plates and tubes
- Seal cycle time from 6 seconds
- Seal plate height with no adjustment from 9-48mm high
- Temperature range from ambient to 200°C
- Seal time from 0.1-9.9 seconds
- Foil present, Low air sensing and No plate present sensing
- Gas Permeable option to allow use of heat sealable gas breathable film
- One touch operation display screen



The Quick Seal Hand Applicator is ideal for firmly applying pressure to our Labsheet self adhesive film and foil sheets for a perfect seal every time. Use our KBS KAPS500 Automated Adhesive Sealer for higher throughput sealing of LABRoll, QuickSeal, Self Adhesive Film and Foil Sealing.



We Deliver Quality and Service!

Our passion about Quality and Service provides a guarantee to our customers that we never compromise the quality of our products or the service we provide. You are our focus. We rely on you to develop our company, and appreciate every bit of feedback.

Call +41 (0)21 800 3484

Terms and conditions of sale available on request - In placing any order for products in this catalogue, you are unconditionally accepting these terms and conditions.

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Prices hold good until 1st December 2013

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