

# Sealers and Cappers Foil, Sealing Films, Mats and Lids

## Product Overview

- prices upon request -



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## Quick and easy sample protection



### Adhesive Seals

- Manual, cost-effective method of microplate sealing
- **11 types of seals** available including PCR seals
- Designed for long lifetime of reliable sealing
- Compatible with common types of microplates (PE, PP, PS)
- Available on roll (100 m x 80 mm, 200 m x 80 mm etc.) or packs of 100 sheets in different dimensions (130 mm x 80 mm, 140 mm x 80 mm etc.)



Cat. No.	Description	Size	Cs.
<b>Adhesive Seal PCR</b>			
SF20080LR	Adhesive Seal PCR	100 m x 80 mm	Roll
SF20080SR	Adhesive Seal PCR - sterile	100 m x 80 mm	Roll
SF20080LS	Adhesive Seal PCR	135 mm x 80 mm	100 Sheets
SF20080SS	Adhesive Seal PCR - sterile	135 mm x 80 mm	100 Sheets
SF20080TS	Adhesive Seal PCR	135 mm x 80 mm	5 Sheets
<b>Adhesive Seal qPCR Crystal</b>			
SF21080LR	Adhesive Seal qPCR Crystal	100 m x 80 mm	Roll
SF21080SR	Adhesive Seal qPCR Crystal - sterile	100 m x 80 mm	Roll
SF21080LS	Adhesive Seal qPCR Crystal	140 mm x 80 mm	100 Sheets
SF21080SS	Adhesive Seal qPCR Crystal - sterile	140 mm x 80 mm	100 Sheets
SF21080TS	Adhesive Seal qPCR Crystal	140 mm x 80 mm	5 Sheets
<b>Adhesive Seal qPCR Crystal Ultra</b>			
SF30080LR	Adhesive Seal qPCR Crystal Ultra	100 m x 80 mm	Roll
SF30080SR	Adhesive Seal qPCR Crystal Ultra - sterile	100 m x 80 mm	Roll
SF30080LS	Adhesive Seal qPCR Crystal Ultra	140 mm x 80 mm	100 Sheets
SF30080SS	Adhesive Seal qPCR Crystal Ultra - sterile	140 mm x 80 mm	100 Sheets
SF30080TS	Adhesive Seal qPCR Crystal Ultra	140 mm x 80 mm	5 Sheets
<b>Adhesive Seal q Optic</b>			
SF22080LR	Adhesive Seal q Optic	100 m x 80 mm	Roll
SF22080SR	Adhesive Seal q Optic - sterile	100 m x 80 mm	Roll
SF22080LS	Adhesive Seal q Optic	130 mm x 80 mm	100 Sheets
SF22080SS	Adhesive Seal q Optic - sterile	130 mm x 80 mm	100 Sheets
SF22080TS	Adhesive Seal q Optic	130 mm x 80 mm	5 Sheets
<b>Adhesive Seal Gas Perm</b>			
SF24080LR	Adhesive Seal Gas Perm	100 m x 80 mm	Roll
SF24080SR	Adhesive Seal Gas Perm - sterile	100 m x 80 mm	Roll
SF24080LS	Adhesive Seal Gas Perm	130 mm x 80 mm	100 Sheets
SF24080SS	Adhesive Seal Gas Perm - sterile	130 mm x 80 mm	100 Sheets
SF24080TS	Adhesive Seal Gas Perm	130 mm x 80 mm	5 Sheets

<b>Cat. No.</b>	<b>Description</b>	<b>Size</b>	<b>Cs.</b>
<b>Adhesive Seal Micro</b>			
SF25080LR	Adhesive Seal Micro	110 m x 80 mm	Roll
SF25080SR	Adhesive Seal Micro - sterile	110 m x 80 mm	Roll
SF25080LS	Adhesive Seal Micro	135 mm x 80 mm	100 Sheets
SF25080SS	Adhesive Seal Micro - sterile	135 mm x 80 mm	100 Sheets
SF25080TS	Adhesive Seal Micro	135 mm x 80 mm	5 Sheets
<b>Adhesive Seal DMSO X Film</b>			
SF26080LS	Adhesive Seal DMSO X Film	140 mm x 80 mm	100 Sheets
SF26080SS	Adhesive Seal DMSO X Film - sterile	140 mm x 80 mm	100 Sheets
SF26080TS	Adhesive Seal DMSO X Film	140 mm x 80 mm	5 Sheets
<b>Adhesive Seal Foil PCR</b>			
SF27080LR	Adhesive Seal Foil PCR	200 m x 80 mm	Roll
SF27080SR	Adhesive Seal Foil PCR - sterile	200 m x 80 mm	Roll
SF27080LS	Adhesive Seal Foil PCR	130 mm x 80 mm	100 Sheets
SF27080SS	Adhesive Seal Foil PCR - sterile	130 mm x 80 mm	100 Sheets
SF27080TS	Adhesive Seal Foil PCR	130 mm x 80 mm	5 Sheets
<b>QuickSeal qPCR Optical</b>			
SF28080LS	Adhesive Seal qPCR	130 mm x 80 mm	100 Sheets
SF28080TS	Adhesive Seal qPCR	130 mm x 80 mm	5 Sheets
<b>Adhesive Seal Foil PCR Ultra</b>			
SF29080LR	Adhesive Seal Foil PCR Ultra	150 m x 80 mm	Roll
SF29080SR	Adhesive Seal Foil PCR Ultra - sterile	150 m x 80 mm	Roll
SF29080LS	Adhesive Seal Foil PCR Ultra	130 mm x 80 mm	100 Sheets
SF29080SS	Adhesive Seal Foil PCR Ultra - sterile	130 mm x 80 mm	100 Sheets
SF29080TS	Adhesive Seal Foil PCR Ultra	130 mm x 80 mm	5 Sheets
<b>Adhesive Seal Gas Perm Woven</b>			
SF32080LR	Adhesive Seal Gas Perm Woven	150 m x 80 mm	Roll
SF32080SR	Adhesive Seal Gas Perm Woven - sterile	150 m x 80 mm	Roll
SF32080LS	Adhesive Seal Gas Perm Woven	140 mm x 80 mm	100 Sheets
SF32080SS	Adhesive Seal Gas Perm Woven - sterile	140 mm x 80 mm	100 Sheets
SF32080TR	Adhesive Seal Gas Perm Woven	5 m x 80 mm	Roll
SF32080TS	Adhesive Seal Gas Perm Woven	140 mm x 80 mm	5 Sheets



## Krystal™ plates for luminescence and fluorescence



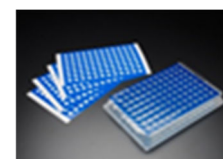
- Available with clear-, glass-, COP- and quartz bottom
- Very low autofluorescence
- Biocompatible adhesive at the bottom
- 24-, 96- and 384-well formats
- Available in black and white, sterile and with lid
- Also with customized barcodes
- Krystal™ High and Medium Bind Microplates for big molecules and proteins

**Please contact us for more information on Porvair Sciences' wide range of microplates.**

## PTFE sealing film from J.G. Finneran, patented



- 51 µm PTFE film, blue
- Clear, Adhesive-free mat prevents sample contamination through Adhesive
- Solvent-free Adhesive adheres to polypropylene, polystyrene and polycarbonate materials
- Compatible with aqueous solutions and organic Solvents
- Excellent chemical resistance, also against DMSO



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
BST-9790	Automation	-80 °C to +120 °C	no	yes	PTFE	100

## Films for Chromatography



### Rapid EPS for HPLC and LC/MS Applications

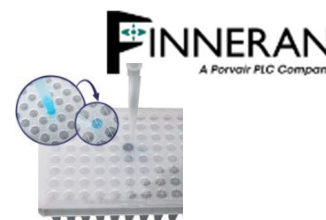
- PO film with synthetic adhesive
- Easily pierceable to prevent needle clogging or damage
- No Adhesive remains on plate or needle
- Compatible with 96-, 384-, and 1536-well plates
- Excellent chemical resistance, also against DMSO, acetonitrile and methanol
- Dimensions: 80.0 x 122 mm



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
Rapid EPS	HPLC, LC/MS	-80 °C to +80 °C	no	yes	PO	100

### Rapid Slit for Automation, SPE, HPLC, LC/MS and ADME

- 3 layered films: PET film, silicone rubber, PET film
- Adhesive-free, pre-cut slits over wells of 96-well plate
- Self-closes instantly after needle penetration to prevent solvent evaporation and cross-contamination
- After 22 hours, 95 % of 150 µl water will remain at 37 °C
- Dimensions: 80.0 x 122 mm



Cat. No.	Application	Temperature range	sterile	pierceable	Material	Cs.
Rapid Slit	Automation, HPLC	-80 °C to +100 °C	no	yes	PET/Si	100

## Thermal Plate Sealer (suitable seals from page 6)



### Ultraseal™ Pro

- Automated sealer for microplates and tube racks
- Ideal for PCR, qPCR and other assays and storage-based applications
- Efficiently applies heat activated sealing films from a roll to a microplate or tube rack top surface
- Cuts film to the desired length
- Protects samples from evaporation and contamination
- Suitable to use with shallow- and deep-well formats, tube racks, standard and customized plates made of PS, PP, PC, CoC or CoP
- Accepts formats between 7 mm and 45 mm in height
- Seals up to 6 plates per minute or 24 tubes simultaneously
- Operator friendly and easy to programme
- Can be integrated into lab automation via RS232
- Pneumatic and electric device which requires a power supply and compressed air
- Requires an air supply rated to min. 5.5 bar to max. 6.5 bar at 50 litres per min
- Optional gas purge for greater protection of samples available
- Optionally available with plate shuttle extension and for gas permeable foils  
→ Please contact us for further information.
- 110 / 220 VAC supply / multi-voltage
- 630 x 195 x 450 mm (l x w x h), approx. 12 kg



Cat. No.	Description
500290	<b>Ultraseal™ Pro</b> , automated sealer for microplates and tubes

### Ultraseal™ LITE



- Intuitive, semi-automatic heat sealer for tight sealing of polypropylene, polyethylene and polystyrene microplates (24-, 48-, 96- and 384-well) as well as glass tubes
- Auto-adjusting sensors for different plate heights (9 mm to 48 mm)
- Simple slide and seal operation, no gas input required
- Temperature range from ambient to 200 °C
- Sealing time per plate: ≤ 10 seconds
- User-friendly with built-in touch screen control panel to adjust temperature and sealing time
- Can be used with a wide range of sealing films and foils up to 200 °C (for seals, please see page 6)



Cat. No.	Description
500091	<b>Ultraseal™ LITE</b> , adaptable semi-automatic microplate sealer to seal 9 mm to 48 mm tall polypropylene, polyethylene and polystyrene microplates, and glass tubes

## Heat Sealing Foils for Thermal Plate Sealer



### Clear Seals - Rolls

- Peelable, pierceable and strong non-peelable formats available
- Optically clear films
- For imaging, fluorescence, colorimetric assays and PCR/qPCR
- Compatible with instruments that use a heat pressurized lid
- Pierceable formats allows for automation with autosampler needles, capillary and tip based liquid handling systems
- Stronger seals form a permanent seal and have higher Solvent resistance
- Autoclavability and difficulty to pierce makes it ideal for transportation of hazardous substances

New Cat. No.	Old Cat. No.	Description	peelable	pierceable	Cs.
<b>Clear Sealing Foils</b>					
SF01078LR	500293	Clear Sealing Foil, 78 mm wide	yes	no	500 m
SF01078SR	500294	Clear Sealing Foil, 78 mm wide, sterile	yes	no	500 m
SF01115LR		Clear Sealing Foil, 115 mm wide	yes	no	350 m
SF01115SR		Clear Sealing Foil, 115 mm wide, sterile	yes	no	350 m
SF01078LS	500293-M	Clear Sealing Foil, 125 x 78 mm	yes	no	100 sheets
SF01078SS	500294-M	Clear Sealing Foil, 125 x 78 mm, sterile	yes	no	100 sheets
SF01078TR	500295SM	Clear Sealing Foil, 78 mm wide	yes	no	5 m sample
SF01115TR		Clear Sealing Foil, 115 mm wide	yes	no	5 m sample
SF01078TS		Clear Sealing Foil, 125 x 78 mm	yes	no	5 sheets
<b>Clear Sealing Foils for Abi</b>					
SF03078LR	500296	Clear Sealing Foil for Abi 3730, 78 mm wide	no	yes	610 m
SF03078SR	500297	Clear Sealing Foil for Abi 3730, 78 mm wide, sterile	no	yes	610 m
SF03115LR		Clear Sealing Foil for Abi 3730, 115 mm wide	no	yes	500 m
SF03115SR		Clear Sealing Foil for Abi 3730, 115 mm wide, sterile	no	yes	500 m
SF03078LS	500296-M	Clear Sealing Foil for Abi 3730, 125 x 78 mm	no	yes	100 sheets
SF03078SS	500297-M	Clear Sealing Foil for Abi 3730, 125 x 78 mm, sterile	no	yes	100 sheets
SF03078TR	500298SM	Clear Sealing Foil for Abi 3730, 78 mm wide	no	yes	5 m sample
SF03115TR		Clear Sealing Foil for Abi 3730, 115 mm wide	no	yes	5 m sample
SF03078TS		Clear Sealing Foil for Abi 3730, 125 x 78 mm	no	yes	5 sheets
<b>Clear Seal Weld</b>					
SF02078LR	500299	Clear Seal Weld, 78 mm wide	no	no	610 m
SF02078SR	500300	Clear Seal Weld, 78 mm wide, sterile	no	no	610 m
SF02115LR		Clear Seal Weld, 115 mm wide	no	no	500 m
SF02115SR		Clear Seal Weld, 115 mm wide, sterile	no	no	500 m
SF02078LS	500299-M	Clear Seal Weld, 125 x 78 mm	no	no	100 sheets
SF02078SS	500300-M	Clear Seal Weld, 125 x 78 mm, sterile	no	no	100 sheets
SF02078TR	500301SM	Clear Seal Weld, 78 mm wide	no	no	5 m sample
SF02115TR		Clear Seal Weld, 115 mm wide	no	no	5 m sample
SF02078TS		Clear Seal Weld, 125 x 78 mm	no	no	5 sheets
<b>Peel Seal Foil</b>					
SF04078LR	500302	Peel Seal Foil, 78 mm wide	yes	no	610 m
SF04078SR	500303	Peel Seal Foil, 78 mm wide, sterile	yes	no	610 m
SF04115LR		Peel Seal Foil, 115 mm wide	yes	no	500 m
SF04115SR		Peel Seal Foil, 115 mm wide, sterile	yes	no	500 m
SF04078LS	500302-M	Peel Seal Foil, 125 x 78 mm	yes	no	100 sheets
SF04078SS	500303-M	Peel Seal Foil, 125 x 78 mm, sterile	yes	no	100 sheets
SF04078TR	500304SM	Peel Seal Foil, 78 mm wide	yes	no	5 m sample
SF04115TR		Peel Seal Foil, 115 mm wide	yes	no	5 m sample
SF04078TS		Peel Seal Foil, 125 x 78 mm	yes	no	5 sheets

## Dura Range Heat Seals - Rolls

- Ideal for high temperature applications and room temperature storage
- Peelable, pierceable and solvent resistant (incl. DMSO) formats available
- Autoclavable
- Also heat seal aluminium foils available



New Cat. No.	Old Cat. No.	Description	peelable	pierceable	Cs.
<b>Peel Seal Foil Super</b>					
SF14078LR	500305	Peel Seal Foil Super, 78 mm wide	yes	no	610 m
SF14078SR	500306	Peel Seal Foil Super, 78 mm wide, sterile	yes	no	610 m
SF14115LR		Peel Seal Foil Super, 115 mm wide	yes	no	500 m
SF14115SR		Peel Seal Foil Super, 115 mm wide, sterile	yes	no	500 m
SF14078LS	500305-M	Peel Seal Foil Super, 125 x 78 mm	yes	no	100 sheets
SF14078SS	500306-M	Peel Seal Foil Super, 125 x 78 mm, sterile	yes	no	100 sheets
SF14078TR	500307SM	Peel Seal Foil Super, 78 mm wide	yes	no	5 m sample
SF14115TR		Peel Seal Foil Super, 115 mm wide	yes	no	5 m sample
SF14078TS		Peel Seal Foil Super, 125 x 78 mm	yes	no	5 sheets
<b>Peel Seal Foil DMSO resistant</b>					
SF05078LR	500308	Peel Seal Foil, DMSO resistant, 78 mm wide	yes	no	500 m
SF05078SR	500309	Peel Seal Foil, DMSO resistant, 78 mm wide, sterile	yes	no	500 m
SF05115LR		Peel Seal Foil, DMSO resistant, 115 mm wide	yes	no	500 m
SF05115SR		Peel Seal Foil, DMSO resistant, 115 mm wide, sterile	yes	no	500 m
SF05078LS	500308-M	Peel Seal Foil, DMSO resistant, 125 x 78 mm	yes	no	100 sheets
SF05078SS	500309-M	Peel Seal Foil, DMSO resistant, 125 x 78 mm, sterile	yes	no	100 sheets
SF05078TR	500310SM	Peel Seal Foil, DMSO resistant, 78 mm wide	yes	no	5 m sample
SF05115TR		Peel Seal Foil, DMSO resistant, 115 mm wide	yes	no	5 m sample
SF05078TS		Peel Seal Foil, DMSO resistant, 125 x 78 mm	yes	no	5 sheets
<b>Pierce Seal Foil</b>					
SF06078LR	500311	Pierce Seal Foil, 78 mm wide	no	yes	610 m
SF06078SR	500312	Pierce Seal Foil, 78 mm wide, sterile	no	yes	610 m
SF06115LR		Pierce Seal Foil, 115 mm wide	no	yes	500 m
SF06115SR		Pierce Seal Foil, 115 mm wide, sterile	no	yes	500 m
SF06078LS	500311-M	Pierce Seal Foil, 125 x 78 mm	no	yes	100 sheets
SF06078SS	500312-M	Pierce Seal Foil, 125 x 78 mm, sterile	no	yes	100 sheets
SF06078TR	500313SM	Pierce Seal Foil, 78 mm wide	no	yes	5 m sample
SF06115TR		Pierce Seal Foil, 115 mm wide	no	yes	5 m sample
SF06078TS		Pierce Seal Foil, 125 mm x 78 mm	no	yes	5 sheets
<b>Pierce Seal Foil for PS plates</b>					
SF07078LR	500317	Pierce Seal Foil for PS plates, 78 mm wide	yes	yes	610 m
SF07078SR	500318	Pierce Seal Foil for PS plates, 78 mm wide, sterile	yes	yes	610 m
SF07115LR		Pierce Seal Foil for PS plates, 115 mm wide	yes	yes	500 m
SF07115SR		Pierce Seal Foil for PS plates, 115 mm wide, sterile	yes	yes	500 m
SF07078LS	500317-M	Pierce Seal Foil for PS plates, 125 x 78 mm	yes	yes	100 sheets
SF07078SS	500318-M	Pierce Seal Foil for PS plates, 125 x 78 mm, sterile	yes	yes	100 sheets
SF07078TR	500319SM	Pierce Seal Foil for PS plates, 78 mm wide	yes	yes	5 m sample
SF07115TR		Pierce Seal Foil for PS plates, 115 mm wide	yes	yes	5 m sample
SF07078TS		Pierce Seal Foil for PS plates, 125 x 78 mm	yes	yes	5 sheets

## HD Heat Seal - Rolls



- Ideal for long-term storage and transportation
- High solvent resistance
- Wide seal integrity range from temperatures of -200 °C to 110 °C
- Impenetrable by pipette tips and liquid handling systems

New Cat. No.	Old Cat. No.	Description	peelable	pierceable	Cs.
SF08078LR	500320	Therm Seal Foil, 78 mm wide	yes	no	500 m
SF08078SR	500321	Therm Seal Foil, 78 mm wide, sterile	yes	no	500 m
SF08115LR		Therm Seal Foil, 115 mm wide	yes	no	350 m
SF08115SR		Therm Seal Foil, 115 mm wide, sterile	yes	no	350 m
SF08078LS	500320-M	Therm Seal Foil, 125 x 78 mm	yes	no	100 sheets
SF08078SS	500321-M	Therm Seal Foil, 125 x 78 mm, sterile	yes	no	100 sheets
SF08078TR	500322SM	Therm Seal Foil, 78 mm wide	yes	no	5 m sample
SF08115TR		Therm Seal Foil, 115 mm wide	yes	no	5 m sample
SF08078TS		Therm Seal Foil, 125 x 78 mm	yes	no	5 sheets

## Gas Permeable - Rolls



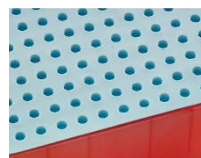
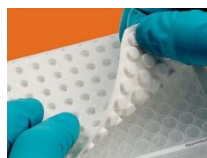
- “Bio Pierce and Peel” made from non-woven gas-permeable material which limits evaporation
- Ideal for cell culture
- Porous properties allow gas exchange to occur whilst providing an inert surface and no adhesive to interfere with the well contents
- “Gas Pierce and Peel” composed of paper with a grid lacquer coating to enhance porous and gas-permeable properties
- Peelable, pierceable and autoclavable formats available

New Cat. No.	Old Cat. No.	Description	peelable	pierceable	Cs.
<b>Gas-permeable non-woven film</b>					
SF10078LR	500323	Gas-permeable non-woven film for cell culture, insect and seed storage, 78 mm wide	yes	yes	200 m
SF10078SR	500324	Gas-permeable non-woven film for cell culture, insect and seed storage, 78 mm wide, sterile	yes	yes	200 m
SF10115LR		Gas-permeable non-woven film for cell culture, insect and seed storage, 115 mm wide	yes	yes	200 m
SF10115SR		Gas-permeable non-woven film for cell culture, insect and seed storage, 115 mm wide, sterile	yes	yes	200 m
SF10078LS	500323-M	Gas-permeable non-woven film for cell culture, insect and seed storage, 125 x 78 mm	yes	yes	100 sheets
SF10078SS	500324-M	Gas-permeable non-woven film for cell culture, insect and seed storage, 125 x 78 mm, sterile	yes	yes	100 sheets
SF10078TR	500325SM	Gas-permeable non-woven film for cell culture, insect and seed storage, 78 mm wide	yes	yes	5 m sample
SF10115TR		Gas-permeable non-woven film for cell culture, insect and seed storage, 115 mm wide	yes	yes	5 m sample
SF10078TS		Gas-permeable non-woven film for cell culture, insect and seed storage, 125 x 78 mm	yes	yes	5 sheets

(continued on page 9)

New Cat. No.	Old Cat. No.	Description	peelable	pierceable	Cs.
<b>“Gas Pierce and Peel”</b>					
SF13078LR	500326	“Gas Pierce and Peel” Gas-permeable grid paper for insect studies and seed storage, 78 mm wide	yes	SF13078LR	500326
SF13078SR	500327	“Gas Pierce and Peel” Gas-permeable grid paper for insect studies and seed storage, 78 mm wide, sterile	yes	yes	610 m
SF13115LR		“Gas Pierce and Peel” Gas-permeable grid paper for insect studies and seed storage, 115 mm wide	yes	yes	500 m
SF13115SR		“Gas Pierce and Peel” Gas-permeable grid paper for insect studies and seed storage, 115 mm wide, sterile	yes	yes	500 m
SF13078LS	500326-M	“Gas Pierce and Peel” Gas-permeable grid paper for insect studies and seed storage, 125 x 78 mm	yes	yes	100 sheets
SF13078SS	500327-M	“Gas Pierce and Peel” Gas-permeable grid paper for insect studies and seed storage, 125 x 78 mm, sterile	yes	yes	100 sheets
SF13078TR	500328SM	“Gas Pierce and Peel” Gas-permeable grid paper for insect studies and seed storage, 78 mm wide	yes	yes	5 m sample
SF13115TR		“Gas Pierce and Peel” Gas-permeable grid paper for insect studies and seed storage, 115 mm wide	yes	yes	5 m sample
SF13078TS		“Gas Pierce and Peel” Gas-permeable grid paper for insect studies and seed storage, 125 x 78 mm	yes	yes	5 sheets
<b>“Bio Pierce and Peel”</b>					
SF11078LR	500329	“Bio Pierce and Peel” Gas-permeable non-woven film for cell culture, insect and seed storage, 78 mm wide	yes	no	610 m
SF11078SR	500330	“Bio Pierce and Peel” Gas-permeable non-woven film for cell culture, insect and seed storage, 78 mm wide, sterile	yes	no	610 m
SF11115LR		“Bio Pierce and Peel” Gas-permeable non-woven film for cell culture, insect and seed storage, 115 mm wide	yes	no	500 m
SF11115SR		“Bio Pierce and Peel” Gas-permeable non-woven film for cell culture, insect and seed storage, 115 mm wide, sterile	yes	no	500 m
SF11078LS	500329-M	“Bio Pierce and Peel” Gas-permeable non-woven film for cell culture, insect and seed storage, 125 x 78 mm	yes	no	100 sheets
SF11078SS	500330-M	“Bio Pierce and Peel” Gas-permeable non-woven film for cell culture, insect and seed storage, 125 x 78 mm, sterile	yes	no	100 sheets
SF11078TR	500331SM	“Bio Pierce and Peel” Gas-permeable non-woven film for cell culture, insect and seed storage, 78 mm wide	yes	no	5 m sample
SF11115TR		“Bio Pierce and Peel” Gas-permeable non-woven film for cell culture, insect and seed storage, 115 mm wide	yes	no	5 m sample
SF11078TS		“Bio Pierce and Peel” Gas-permeable non-woven film for cell culture, insect and seed storage, 125 x 78 mm	yes	no	5 sheets

## Sealing Mats



Cat. No.	Description	pierceable	Material	Cs.
360014	Mat for 24-well (Porvair: 360013)	yes	San	100
360098	Mat for 48-well solid plate with 5 ml and 7.5 ml	no	Si	100
219004	Mat for 96-well. square (Porvair: 219009, 219030, 219031), DNase-/RNase-free	yes	EVA	50
219019	Mat for 96-well, round (Porvair: 219025, 219026, 219027), DNase-/RNase-free; <b>sterile</b>	no	EVA	50
360010	Mat for 96-well, square (Porvair: 219006, 219008, 219009)	yes	San	100
219033	Mat for 96-well, square (Porvair: 219030, 219031)	no	PP	50
997005SW-96	Moulded green mat for 96-well, square	yes	Si	5
997075SW-96	Precut moulded green mat for 96-well, square	yes	Si	5
976075SW-96	Pre-slit clear PTFE spray coated mat for 96-well, square	yes	PTFE/Si	5
976250SW-96	Ultra-low-bleed clear PTFE spray coated mat for 96-well, square	yes	PTFE/Si	5
976275SW-96	Pre-slit ultra-low-bleed clear PTFE spray coated mat for 96-well, square	yes	PTFE/Si	5
219036	Mat for 96-well, round (Porvair: 219002), DNase-/RNase-free	no	EVA	50
219042	Mat for 96-well, round (Porvair: 219012), DNase-/RNase-free; <b>sterile</b>	no	EVA	50
219044	Mat for 96-well, round (Porvair: 219002)	yes	EVA	50
997005MR-96	Moulded green mat for 96-well, round	yes	Si	5
997075MR-96	Precut moulded green mat for 96-well, round	yes	Si	5
996050MR-96	Moulded grey mat for 96-well, round	yes	PTFE/Si	5
996075MR-96	Precut moulded grey mat for 96-well, round	yes	PTFE/Si	5
9760507MR-96	Clear PTFE spray coated mat for 96-well, round (plug Ø 7 mm)	yes	PTFE/Si	5
9760757MR-96	Pre-slit clear PTFE spray coated mat for 96-well, round (plug Ø 7 mm)	yes	PTFE/Si	5
9762507MR-96	Ultra-low-bleed clear PTFE spray coated mat for 96-well, round (plug Ø 7 mm)	yes	PTFE/Si	5
9762757MR-96	Pre-slit ultra-low-bleed clear PTFE spray coated mat for 96-well, round (plug Ø 7 mm)	yes	PTFE/Si	5
9760508MR-96	Clear PTFE spray coated mat for 96-well, round (plug Ø 8 mm)	yes	PTFE/Si	5
9760758MR-96	Pre-slit clear PTFE spray coated mat for 96-well, round (plug Ø 8 mm)	yes	PTFE/Si	5
9762508MR-96	Ultra-low-bleed clear PTFE spray coated mat for 96-well, round (plug Ø 8 mm)	yes	PTFE/Si	5
9762758MR-96	Pre-slit ultra-low-bleed clear PTFE spray coated mat for 96-well, round (plug Ø 8 mm)	yes	PTFE/Si	5
9764508MR-96	Clear PTFE spray coated mat for 96-well, round (plug Ø 8 mm, short)	yes	PTFE/Si	5
9764758MR-96	Pre-slit clear PTFE spray coated mat for 96-well, round (plug Ø 8 mm, short)	yes	PTFE/Si	5
976050SW-384	Clear PTFE spray coated mat for 384-well, square	yes	PTFE/Si	5
976075SW-384	Pre-slit clear PTFE spray coated mat for 384-well, square	yes	PTFE/Si	5

## Lids

- Made of PS or PP to fit all plates



Cat. No.	Description	Material	Cs.
229125	Universal lid for all standard SBS format 96-well plates	PS	100
229225	Universal lid for all standard SBS format 96-well plates, <b>sterile</b>	PS	100
229126	Universal lid for all standard SBS format 96-well plates, <b>black</b>	PP	100

## Ultraseal™ CAP-LITE

- Produces an accurate and tight seal on shallow and deep well PP plates
- Needs minimal pressure for capping, reduces fatigue and repetitive strain injury
- Special across plate pressure system ensures perfect seal time after time
- Also works with 2D barcoded glass tube racks and their closure mats
- Powder coated to resist chemical spillage
- Anti-slip base and fixing holes for securing to bench
- EVA or silicone mats are reusable with care (see page 10)



Cat. No.	Description
229078	Ultraseal™ CAP-LITE, applicator for storage and assay plates as well as for tube racks

## Ultraseal™ CAP-PRO

- Designed to apply friction sealing mats or septum sealing caps to SBS-format tube racks
- Consistent even pressure is applied to the mat to ensure each tube or well is tightly sealed
- More reproducible, quicker and less likely to cause a strain injury than trying to do this manually
- Small compact design allows it to place the device on all laboratory benches
- Just requires power supply of 220 V
- Three pressure settings:
  - Low – 100 kg max force
  - Medium – 180 kg max force
  - High – 250 kg max force
- Compatible with most commercially available septum cap mats, 2D-coded and uncoded tubes and SBS-format racks (24-, 48- and 96-tube plates)



Cat. No.	Description
500246	Ultraseal™ CAP-PRO, applicator for storage and assay plates as well as for tube racks

### Also available from Dunn Labortechnik:



Ultravap™ MINI



Ultravap™ Gemini



Ultravap™ Levante



Ultravap™ Mistral

## Evaporators

### Manual and automatic operation



- Manual systems Ultravap™ MINI and Gemini
- Automatic evaporators Ultravap™ Levante and Ultravap™ Mistral
- Choice of 12-, 24-, 48-, 96-, and 384-well heads with straight or spiral needles
- Manual Ultravap™ MINI with 2 individually temperature-regulated evaporation positions
- Automated evaporators are compatible with robotic liquid handlers
- For use with ANSI/SLAS standard plates
- For plates up to 55 mm, 80 mm, or even 100 mm high
- Also suitable for evaporation of HPLC samples in 1.5 ml HPLC vials using the 48-well head
- Units can be used with nitrogen or dry compressed air
- Faster drying times than other standard methods such as vacuum oven
- Please also ask for our separate product overview on further equipment from Porvair Sciences!



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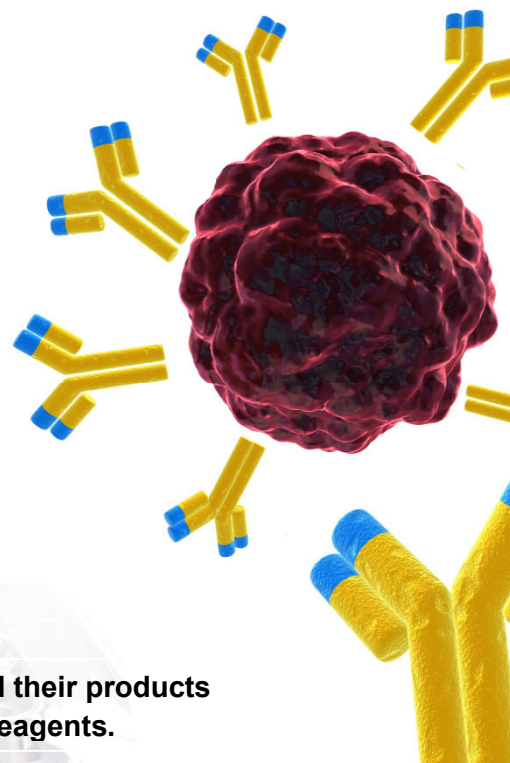


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## Wide Range of Immunoreagents

- **Human whole blood, serum and plasma** in a selection of different anticoagulants from single donors or pooled.
- **Proteins, antibodies and ELISA kits** for many research areas such as autoimmunity, cancer, hormones, infectious diseases, metabolic markers, toxins and veterinary health.
- **High quality liquid substrates** for use in ELISA, IHC, Microarray and blotting for Alkaline phosphatase (AP) and Horseradisch peroxidase (HRP).



**More information about our suppliers and their products  
in our separate flyers for immunoreagents.**

### Abbreviations:

Al:	Aluminium
PE:	Polyethylene
PET:	Polyethylene terephthalate
PP:	Polypropylene
PTFE:	Polytetrafluorethylene
Si:	Silicon
EVA:	Ethylene-Vinyl Acetate
PES:	Polyether sulfone
PO:	Poly olefine
PS:	Polystyrene
San:	Santoprene
TPE:	Thermoplastic Elastomer