

AH diagnostics

# AN EXTRAORDINARY ADVENTURE

STORAGE, SCREENING



AH diagnostics A/S  
Gammel Viborgvej 11A, 8381 Tilst, Denmark  
order@ahdiagnostics.dk +45 8745 9010  
<https://www.ahdiagnostics.dk/>



# AN EXTRAORDINARY ADVENTURE



## STORAGE AND SCREENING

• GREINER BIO-ONE	
Screening plates	380 to 382
Storage plates	388
• NUNC™	
Screening plates	383 and 384
Storage plates	389
• CORNING® screening plates	386
• PORVAIR, 4TITUDE, BIOSIMA, RIPLATE® screening plates	387 and 388
• FALCON® Storage plates	390
• ABGENE® Storage plates	390 and 391
• PORVAIR, EPPENDORF Storage plates	391
• Various storage plates, Deepwell, filter plates	392 to 401
• Sealing: films, lids, sealers, heat sealing, accessories	402 to 414
• Replicators	414
• Crystallography plates	415 and 416
• Robotic tips	416 to 420
• Biobanks	422 to 431
• Bar code readers	432 to 436
• Cappers, uncappers	436 and 437
• Transfer tubes, storage, 2D tubes, caps	437 to 441

We have a wide range of plates to meet your needs.

## Screening plates

- Screening plates are multi-well plates where each well is used as a small test tube
- Ideal for absorbance, fluorescence, luminescence and scintillation applications
- These plates are used to test samples; determine their composition, the presence and quantity of a substance (e.g. hormone); study the action of a drug or the links between biological molecules (e.g. enzymes); analyse proteins (quantity and concentration)
- Polystyrene, glass and coloured background
- 96-well plates are the most commonly used, but 384-well and 1536-well plates allow full automation and miniaturisation of assays

## Storage plates

- Made of inert polypropylene and resistant to +121 °C, ideal for storage

## Plate selection guide

### Material type

#### Polystyrene

- Low chemical resistance
- Low to very high binding capacity, depending on surface treatment
- Rigid and transparent, excellent optical properties
- **Applications:** Homogeneous tests, ELISA, cell culture, fluorescence, luminescence

#### Cycloolefin

- Low level of autofluorescence
- Excellent transparency especially in the UV area
- Good chemical resistance
- **Applications:** Spectroscopy, fluorescence and confocal microscopy

#### Polypropylene

- Good thermal and chemical resistance
- Very low binding capacity
- Flexible, translucent
- **Applications:** Storage, fluorescence, luminescence

#### Glass bottom

- High optical quality
- High flatness
- **Applications:** Spectroscopy, fluorescence and confocal microscopy

## Well Configuration

### Well Type:

**Rounded:** optimal for sample recovery, compatible with most sealing options

**Squared:** angles prevent capillary rise of liquids, and cross-contamination between wells, maximises volume in SBS format

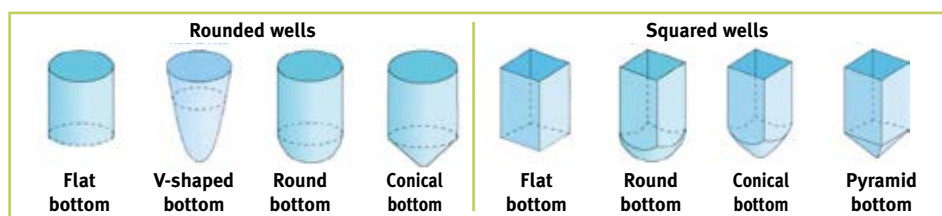
### Bottom type:

**Flat:** imaging, cell culture

**Rounded:** optimal washing, mixing, visualisation and resuspension of the pellet, automatic centralisation of samples

**V:** precipitation, centrifugation, small volume recovery

**Pyramidal taper:** increases volume recovery and decreases dead volume



## Plates Colour

### ➤ Transparent

Colorimetric tests, cell culture, ELISA, absorbance tests

### ➤ Translucent

Storage

### ➤ Black:

Recommended for fluorescence (eg: GFP); low autofluorescence and scattering of fluorescence between wells

### ➤ White:

Recommended for luminescence (e.g. luciferase); increases signal over background noise; reflects, concentrates signal at detector level

## Treatment type

### Non-treated (or medium fixation)

- Polystyrene is hydrophobic in nature and binds molecules passively
- Immobilisation of large molecules (e.g. antibodies)

### High binding

- Fixation of medium (> 10 kD) and large molecules with ionic groups and/or hydrophobic regions

### Non-binding

- Minimises the binding of molecules such as DNA, RNA, peptides and proteins
- Reduces non-specific binding, improves signal to noise ratio

### Reinforced culture treatment

- Reinforces the adhesion and development of Cells

### Standard culture treatment

- Improves cell adhesion and protein binding to the surface

### Low adhesion treatment

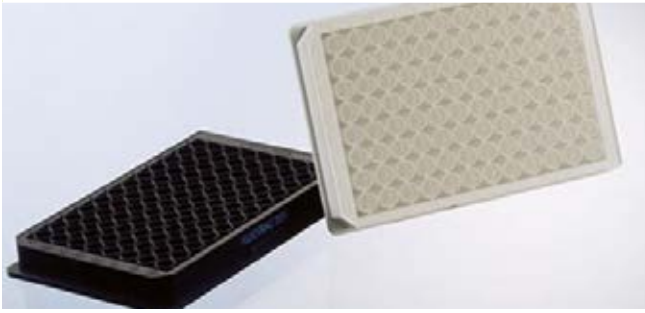
- Treatment that minimises cell attachment, protein uptake, enzyme activation and cell activation
- Non-cytotoxic

### Coating

- Treatment with collagen, Poly-D-Lysine, fibronectin
- Increases adhesion of difficult cells

All Greiner Bio-One screening plates are available in a bar-coded version on request.

## Greiner Bio-One 96-well and half-well polystyrene plates, black, white or transparent



- ▶ Made of high quality polystyrene
- ▶ Untreated or treated for high absorption
- ▶ Black For low fluorescence background noise
- ▶ Highly reflective white for luminescence
- ▶ µclear Transparent or opaque bottom
- ▶ Chimney-type wells to limit cross-contamination
- ▶ Position coding
- ▶ Alphanumeric well identification
- ▶ For U-bottoms, V-bottoms and standard flat bottoms or other formats, please contact us

Walls	Bottom	Sterile	Treatment	Pack. unit	Units/box	96-well		96-Semi well	
						Cat.No	Price/box	Cat.No	Price/box
White	White	No	No	10	40	655075	N/A -	675075	N/A -
White	White	Yes	High binding	10	40	655074	N/A -	675074	N/A -
Black	Black	Yes	High binding	10	40	655077	N/A -	675077	N/A -
Black	Black	No	No	10	40	655076	N/A -	675076	N/A -
White	Transp.	Yes	High binding	10	40	655094	N/A -	-	-
White	Transp.	No	No	10	40	655095	N/A -	-	-
Black	Transp.	No	No	10	40	655096	N/A -	675096	N/A -
Black	Transp.	Yes	High binding	10	40	655097	N/A -	-	-
Transp.	Transp.	Yes	High binding	10	40	-	-	675161	N/A -
Transp.	Transp.	No	No	10	40	-	-	675101	N/A -

- 96 well: working volume = 25 - 340 µl
- 96-Well, half area: working volume = 15 - 175 µl

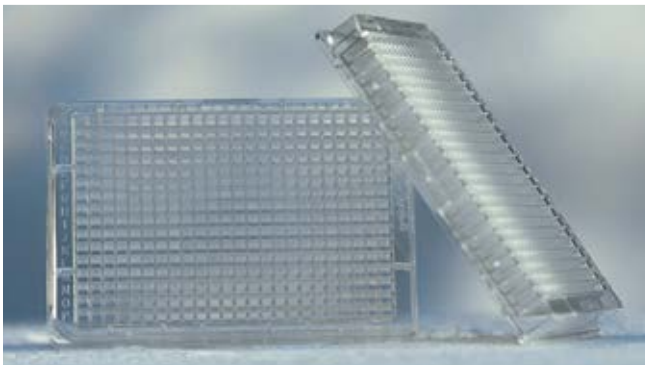


**TIP**



Black or white culture plates with transparent bottoms: see chapter on cell culture

## Polystyrene 384-well plates, standard or small volume, black, white or transparent Greiner Bio-One



- ▶ Made of high quality polystyrene
  - ▶ Non treated or treated for high absorption
  - ▶ Black For low fluorescence background noise
  - ▶ Highly reflective white for luminescence
  - ▶ µclear Transparent or opaque bottom
  - ▶ Position coding
  - ▶ Alphanumeric well identification
- ▶ **384-well, Standard:**
    - working volume = 15 - 110 µl
    - Square well with rounded corner for better liquid recovery
  - ▶ **384-well small volume:**
    - working volume = 4 - 25 µl
    - Plate height 7.5 mm
    - Slightly tapered round well to enhance fluorescence or luminescence signal



Walls	Bottom	Sterile	Treatment	384-Well, Standard				384 small volume wells - Hi Base				384 small volume wells - Lo Base			
				Cat.No	Pack. unit	Units/box	Price/box	Cat.No	Pack. unit	Units/box	Price/box	Cat.No	Pack. unit	Units/box	Price/box
Transp.	Transp.	No	No	781101	10	100	N/A -	784101	10	40	N/A -	788101	10	80	N/A -
Transp.	Transp.	Yes	High binding	781061	10	40	N/A -	-	-	-	-	-	-	-	-
Transp.	Transp.	Yes	No	781162	10	100	N/A -	-	-	-	-	-	-	-	-
Transp.	Transp.	Yes	No	781185	1	32	N/A -	-	-	-	-	-	-	-	-
Transp.	Transp.	Yes	No	781186	8	32	N/A -	-	-	-	-	-	-	-	-
White	White	Yes	High binding	781074	10	40	N/A -	-	-	-	-	-	-	-	-
White	White	No	High binding	-	-	-	-	-	-	-	-	788074	10	80	N/A -
White	White	No	No	781075	10	40	N/A -	784075	10	40	N/A -	-	-	-	-
Black	Black	Yes	High binding	781077	10	40	N/A -	788077	-	80	N/A -	-	-	-	-
Black	Black	No	No	781076	10	40	N/A -	784076	10	40	N/A -	-	-	-	-
White	Transp.	No	No	-	-	-	-	-	-	-	-	788095	10	80	N/A -
Black	Transp.	Yes	High binding	781097	10	40	N/A -	-	-	-	-	-	-	-	-
Black	Transp.	No	No	781096	10	40	N/A -	-	-	-	-	788096	10	80	N/A -

### Acoustic handling plates

Cat.No	Description	Units/box	Price/box
793855	384-well cycloolefin plate for acoustic handling	60	N/A -



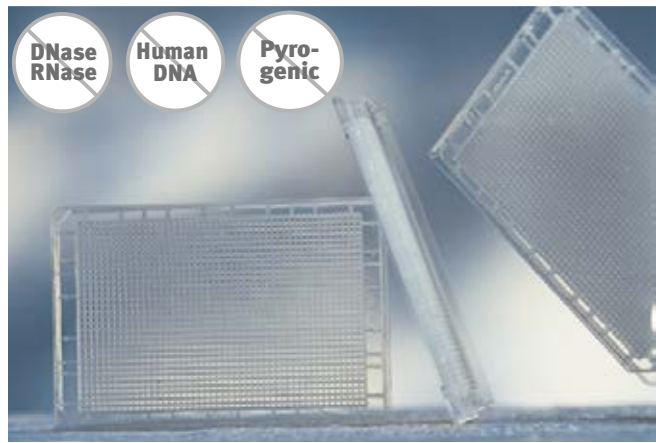
## Greiner Bio-One Polystyrene plates 1536-well, black, white or transparent

- High quality polystyrene plate
- Non treated or treated for high absorption
- Black For low fluorescence background noise
- Highly reflective white for luminescence
- µclear Transparent or opaque bottom
- Position coding
- Alpha numeric well location
- Hi base: for reading from the top of the plate
- Well shape: square with rounded corners

• working volume = 3 - 10 µl

1536-well - Hi Base

Walls	Bottom	Sterile	Treatment	Pack. unit	Units/box	Cat.No	Price/box
Transp.	Transp.	No	No	15	60	782101	N/A -
Transp.	Transp.	Yes	High binding	15	60	782061	N/A -
White	White	No	No	15	60	782075	N/A -
White	White	Yes	High binding	15	60	782074	N/A -
Black	Black	No	No	15	60	782076	N/A -
Black	Black	Yes	High binding	15	60	782077	N/A -
White	Transp.	No	No	15	60	782095	N/A -
White	Transp.	Yes	High binding	15	60	782094	N/A -
Black	Transp.	Yes	High binding	15	60	782097	N/A -
Black	Transp.	No	No	15	60	782096	N/A -



**Ultra-Low Covers**  
Ultra-low profile to limit evaporation.

Cat. No.	Sterile	Units/box	Price/box
691101	No	100	N/A -
691161	Yes	100	N/A -

## Greiner Bio-One Non-binding polystyrene plates 96, 384 and 1536 wells

- The non-binding surface results from a stable chemical modification of functional groups covalently bonded to the polystyrene surface
- Very low non-specific binding properties (DNA, RNA, protein assays)
- Increased assay sensitivity by reducing background noise and improving the signal-to-noise ratio
- Stable surface without degradation or interference
- Available in black, white and transparent and with µclear bottom

### 96-well plates

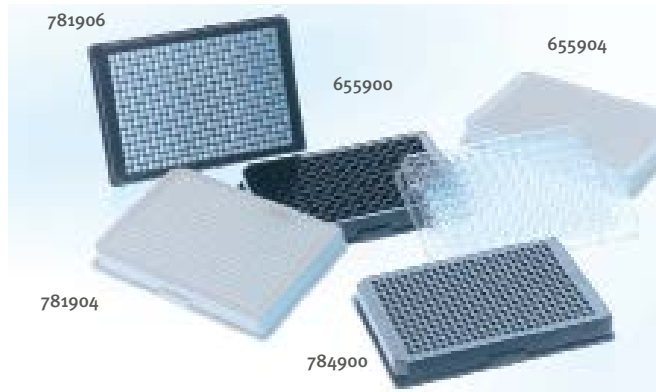
Well profile	U bottom	V bottom	F* bottom	F* bottom	F* bottom	F* bottom	F* bottom
Bottom	Transp.	Transp.	Transp.	Flat White	Flat black	µClear®	µClear®
Frame colour	Transp.	Transp.	Transp.	White	Black	White	Black
Packaging unit	10	10	10	10	10	10	10
Units/box	40	40	40	40	40	40	40
Cat. No.	650901B	651901B	655901	655904	655900	655903	655906
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

### 384-well plates

Well profile	F bottom	F bottom	F bottom	F bottom	F bottom	Small Vol.™	Small Vol.™
Bottom	Flat white	Flat black	Flat µClear®	Flat µClear®	Flat transp.	Flat white	Flat black
Frame colour	White	Black	White	Black	Transparent	White	Black
Plate profile	-	-	-	-	-	HiBase	HiBase
Packaging unit	10	10	10	10	10	10	10
Units/box	40	40	40	40	40	40	40
Cat. No.	781904	781900	781903	781906	781901	784904	784900
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

### Plates 1536-well - Hi Base

Well profile	F bottom	F bottom
Bottom	Flat white	Flat black
Frame colour	White	Black
Plate profile	-	-
Packaging unit	10	10
Units/box	40	40
Cat. No.	782904	782900
Price/box	N/A -	N/A -



\* chimney wells

DNase  
RNase

Human  
DNA

Pyro-  
genic

STORAGE  
SCREENING

## Greiner Bio-One 96 and 384 well streptavidin plates

Streptavidin-coated and pre-saturated 96 and 384 well plates.

	96-well	384-well
Coated surface (by volume)	300 µl	90 µl
Adsorption capacity biotin	> 5 ng/well or 20 pmol/well	> 1.5 ng/well or 6 pmol/well
Coating variation	< 5 %	< 8 %
Streptavidin leaching	< 5 ng / well	< 1 ng / well

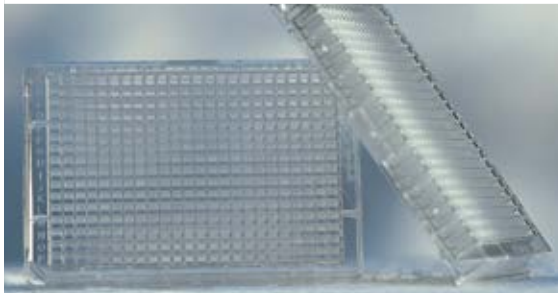
Cat. No.	Type	Colour	Pack. unit	Units/box	Price/box
655990	96-well	Transparent	5	40	N/A -
655995	96-well	White	5	40	N/A -
655996	96-well	Black with transparent bottom	5	40	N/A -
655997	96-well	Black	5	40	N/A -
781990	384-well	Transparent	5	40	N/A -
781995	384-well	White	5	40	N/A -
781996	384-well	Black with transparent bottom	5	40	N/A -
781997	384-well	Black	5	40	N/A -



### Lids

Cat. No.	Description	Sterile	Units/box	Price/box
020036	Lid	Non	100	N/A -
020037	Lid	Yes	100	N/A -

## 384 and 1536 well CELLSTAR plates, black, white or clear, opaque or transparent bottom Greiner Bio-One



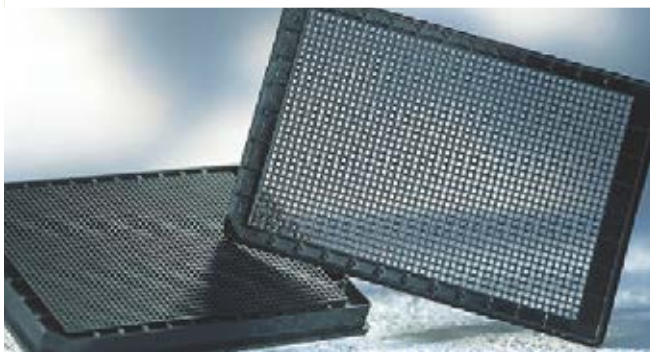
- High quality polystyrene plate
- Culture-treated
- Sterile
- Medium to high absorption capacity
- Black for low fluorescence background noise
- Highly reflective white for luminescence
- Position coding, alphanumeric well identification

- **384-well, Standard:**
  - working volume = 15 - 110 µl
  - Square well with rounded corner for better liquid recovery
- **1536-well small volume:**
  - working volume = 3 - 10 µl
  - 2 versions:
    - Hi base (for reading from the top of the plate), and Lo base (for reading from the bottom of the plate)



384-Well, Standard									1536-Well Hi-base		1536-Well Lo-base	
Walls	Bottom	Lid	Cat.No	Pack. unit	Units/box	Price/box	Pack. unit	Units/box	Cat.No	Price/box	Cat.No	Price/box
Transp.	Transp.	Yes	<b>781182</b>	8	32	N/A -	1	40	-	-	-	-
White	White	No	-	-	-	-	15	60	<b>782073</b>	N/A -	-	-
White	White	Yes	<b>781080</b>	8	32	N/A -	10	40	<b>782080</b>	N/A -	-	-
Black	Black	No	<b>781079</b>	10	40	N/A -	-	-	-	-	-	-
Black	Black	No	-	-	-	-	15	60	<b>782078</b>	N/A -	-	-
Black	Black	Yes	<b>781086</b>	8	32	N/A -	10	40	<b>782086</b>	N/A -	-	-
White	Transp.	No	-	-	-	-	15	60	<b>782093</b>	N/A -	<b>783093</b>	N/A -
White	Transp.	Yes	<b>781098</b>	8	32	N/A -	-	-	-	-	-	-
Black	Transp.	No	<b>781092</b>	10	40	N/A -	15	60	<b>782092</b>	N/A -	<b>783092</b>	N/A -
Black	Transp.	Yes	<b>781091</b>	10	40	N/A -	-	-	-	-	-	-

## Greiner Bio-One SensoPlate™ glass bottom microplates



Polystyrene microplate with achromatic borosilicate glass bottom, 175 µm thick, standard size. Opaque black colour for high resolution imaging, fluorescence.



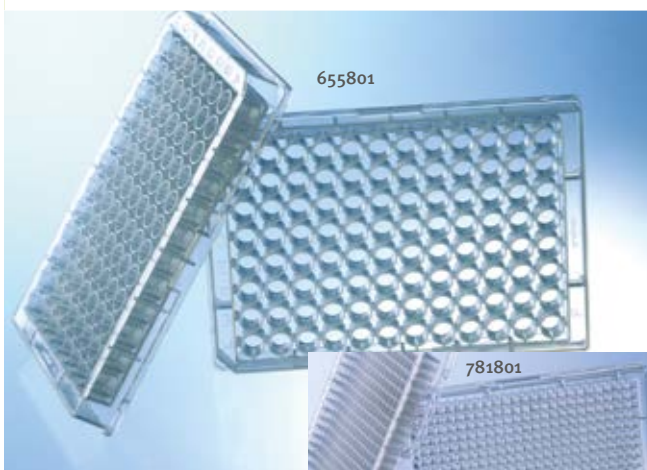
Cat.No	Type	Sterile	Lid	Pack. unit	Units/box	Price/box
<b>662896</b>	24 wells	Yes	No	1	12	N/A -
<b>662892</b>	24 wells	Yes	Yes	1	12	N/A -
<b>655896</b>	96 wells	Yes	No	1	16	N/A -
<b>655892</b>	96 wells	Yes	Yes	1	16	N/A -
<b>655891*</b>	96 wells standard culture treated	Yes	Yes	1	16	N/A -
<b>655981*</b>	96-well Advanced TC culture treated	Yes	Yes	1	16	N/A -
<b>781892</b>	384 wells	Yes	Yes	1	16	N/A -
<b>783892</b>	1536 wells	Yes	Yes	1	16	N/A -

\* Cellview for fluorescence correlation spectroscopy fluorescence and high-resolution microscopy.

### Lids

Cat. No.	Type	Sterile	Pack. unit	Units/box	Price/box
<b>020036</b>	Standard	No	1	100	N/A -
<b>020037</b>	Standard	Yes	1	100	N/A -
<b>691101</b>	Bottom	Non	1	100	N/A -
<b>691161</b>	Bottom	Yes	1	100	N/A -

## Greiner Bio-One UV-Star 96-well and 384-well plates



An alternative to quartz cuvettes. UV permeable cycloolefin microplates suitable for the determination of nucleic acid and protein concentrations at 260 and 280 nm.

- Detectable Endotoxin free
- Resistant to DMSO
- Storage up to -20 °C
- µclear bottom with flat bottom/chimney well profile
- Available with black frame to reduce crosstalk between wells
- Optical limit 230 nm



Cat. No.	Description	Pack. unit	Units/box	Price/box
<b>655801</b>	UV-Star 96-well plate	10	40	N/A -
<b>655809</b>	UV-Star 96-well plate, black	10	40	N/A -
<b>675801</b>	UV-Star 96-well semi-well plate	10	40	N/A -
<b>781801</b>	UV-Star 384-well plate	10	40	N/A -



## Nunc 96-well plates for screening

Polystyrene 96-well plates especially for screening applications and robotic systems. All these plates can be supplied with a labelled barcode.

Four surface qualities:

- **MAXISORP:** high affinity surface for hydrophilic molecules such as antibodies;
- **POLYSORP:** medium adsorption surface, with an affinity for molecules with a more hydrophobic character such as non-protein antigens;
- Non-treated: suitable for storage, DNA and antibiotic screening.

- Flat bottom
- High optical quality

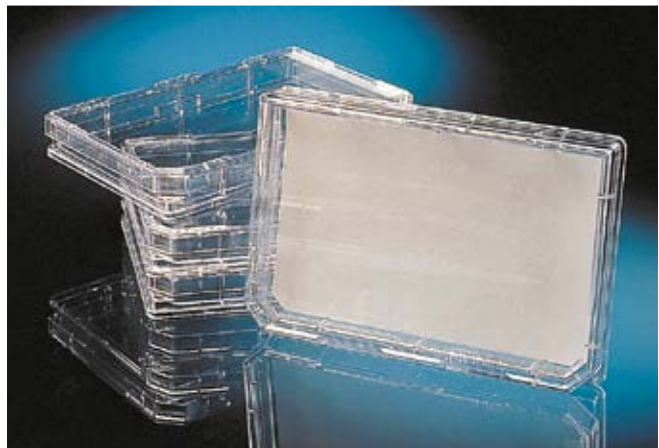


Plate Type	Lid	Sterile	Pack unit.	Units/box	Standard plates		Plates with barcode	
					Cat. No.	Price/box	Cat. No.	Price/box
MAXISORP	No	No	10	180	055266	N/A -	055267	N/A -
POLYSORP	No	No	10	180	055268	N/A -	-	-
Non traitée	No	No	10	180	055270	N/A -	055271	N/A -
Non traitée	Yes	Yes	10	160	055272	N/A -	055273	N/A -
Non traitée	Yes	No	10	160	055274	N/A -	-	-
White with transparent bottom	No	No	10	30	055315	N/A -	-	-
Black with transparent bottom	No	No	10	30	055316	N/A -	-	-
Black with glass bottom	No	No	10	30	055317	N/A -	-	-

## Nunc Omnitray Plate

- Plate without wells in microplate format
- Can be used with robotic systems such as Beckman, Tecan, Zymark..
- Supplied with lid, stackable, sterile
- In transparent polystyrene
- Freezable at -20 °C
- Working volume: 35 ml, maximum volume: 90 ml
- Dimensions 128 x 86 mm
- Applications: liquid container, support for membranes in hybridization, usable with robotic systems

Cat. No.	Description	Pack unit.	Units/box	Price/box
056116	Sterile Omnitray plate	10	60	N/A -
056117	Sterile Omnitray plate	10	90	N/A -



STORAGE SCREENING

## Nunc 384-well Microplates

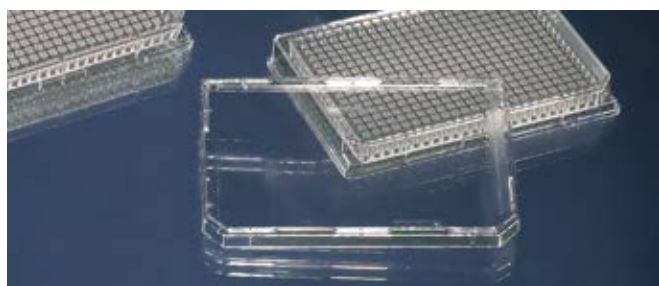
- Polystyrene, sterile, treated for cell culture
- Non-treated or treated MAXISORP with high adsorption capacity

Treated	Colour	Lid	Sterile	Cat.No	Pack unit.	Units/box	Price/box
No	Transparent	Yes	Yes	055295	1	30	N/A -
No	Transparent	Yes	Yes	055296	10	30	N/A -
No	White transp. bottom	No	No	054300	10	30	N/A -
No	Black transp. bottom	No	No	054301	10	30	N/A -
Culture	Transparent	Yes	Yes	054302	10	30	N/A -
Culture	White	Yes	Yes	054303	10	30	N/A -
Culture	Black	Yes	Yes	054304	10	30	N/A -
Culture	White transp. bottom	Yes	Yes	054305	10	30	N/A -
Culture	Black transp. bottom	Yes	Yes	054306	10	30	N/A -
MAXISORP	Transparent	No	Yes	054307	10	30	N/A -
MAXISORP	White	No	Yes	055457	10	30	N/A -
MAXISORP	Black	No	Yes	055309	10	30	N/A -

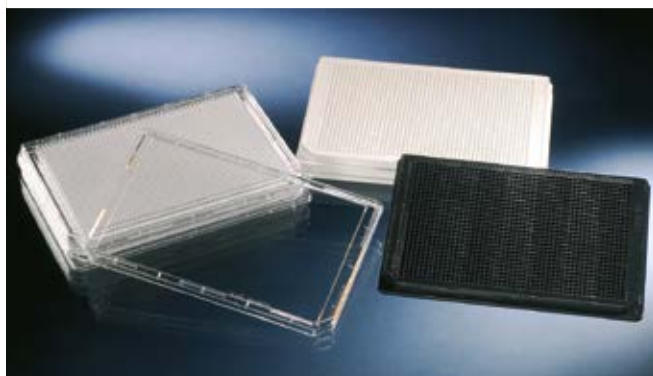


### Lids

Cat. No.	Description	Pack unit.	Units/box	Price/box
055143	Lid for plate	5	100	N/A -
055144	Sterile Lid	1	50	N/A -



## Nunc 1536-well Plates



Transparent, white and black polystyrene plates, specially designed for robotic systems. Volume per well: 10 µl

- ▶ **Rounded well opening for optimal access by pipetting systems**
- ▶ **Flat bottom maximises optical quality and image area**
- ▶ **Skirt for easy handling by robots**
- ▶ **Low height (7.4 mm) for space saving storage and in incubators**

Cat.No	Colour	Sterile	Lid	Pack unit.	Units/box	Price/box
055345	Transparent	No	No	30	90	N/A -
055346	Black	No	No	30	90	N/A -
055347	White	No	No	30	90	N/A -

## Nunc lids and flexible lids

### Lids

Three models:

- Universal lid, without cut-off for all plates;
- Ultra low profile cover with very low height;
- LowBot lid, specifically designed for robotic handling, very flat profile, with short skirt to allow barcode marking on the plate without removing the lid.

Cat. No.	Model	Sterile	Compatibility	Pack. unit	Units/box	Price/box
056118	Universal	Yes	All plates	20	60	N/A -
056119	Universal	No	All plates	20	60	N/A -
056121	Universal	No	All plates	20	180	N/A -
056105	LowBot and ultra low profile cut corners	No	Low profile plates, 384 and 1536 wells	25	100	N/A -
056106	LowBot and ultra low profile cut corners	Yes	Low profile plates, 384 and 1536 wells	25	100	N/A -
055610	Cut corners	No	384 and 1536-well Plates	1	60	N/A -
056122	Cut corners	No	384 and 1536-well Plates	20	180	N/A -
056124	Low Profile	No	96 and 384-well Plates	20	120	N/A -
055144	Condensation rings And Notched corners	Yes	96-well plates PS, deepwell PP	1	50	N/A -
055143	Condensation rings And Notched corners	No	96-well plates PS, deepwell PP	5	100	N/A -

### Flexible lids

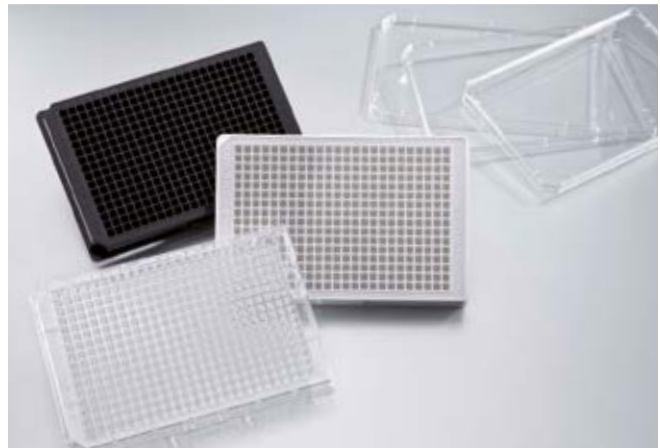
- ▶ **Can be used down to -80 °C for thermoplastic elastomers**
- ▶ **Can be used down to -20 °C for silicone models**
- ▶ **Resistant to DMSO, ethanol and methanol**
- ▶ **Repeatable drillable**

Cat. No.	Model	Sterile	Material	Colour	Drillable	Compatibility	Pack. unit	Units/box	Price/box
054316	96-Well Cap Mat	Yes	Thermoplastic elastomer	Natural	Yes	96-well Plate multiwell and deepwell PP 055375, 056175 and 055378	1	50	N/A -
054317	96-Well Cap Mat	No	Thermoplastic elastomer	Natural	Yes	Idem	5	50	N/A -
054319	96-Well Cap Mat	No	Thermoplastic elastomer	Blue	Yes	Idem	5	50	N/A -
056125	96-Well Cap Mat, pre-cut	No	Silicone	Natural	Yes	Idem	10	50	N/A -



## 384-well Plates Falcon® - Corning BioCoat™

- Manufactured from medical grade virgin polystyrene, allowing better microscopic observation
  - White or black opaque microplates to limit cross-contamination
  - White and black microplates with transparent bottoms for microscopic observation and detection from the top and/or bottom of the wells
  - Several Falcon® surface treatments available: cell culture (TC) and standard
- A specific range of coated Corning BioCoat™ surfaces*
- Poly-Lysine and Collagen Coatings to promote growth and attachment of certain primo-cultures and cell lines
  - Plates Ready to use
  - Storage at room temperature
  - ISO 9001 certified European production at the Plymouth site in England



Cat. No.	Well volume (µl)	Colour	Bottom	Lid	Sterile	Units/bag	Units/box	Price/box
<b>384-well polystyrene plates for cell culture</b>								
353961	120	Transparent	Flat	Yes	Yes	5	50	N/A -
353988	120	White	Flat	Yes	Yes	5	50	N/A -
353963	120	White transparent bottom	Flat	Yes	Yes	5	50	N/A -
353962	120	Black transparent bottom	Flat	Yes	Yes	5	50	N/A -
<b>384-well plates Corning BioCoat™ Collagène I</b>								
354666	120	Transparent	Flat	Yes	Yes	5	5	N/A -
356666	120	Transparent	Flat	Yes	Yes	5	50	N/A -
354667	120	Black transparent bottom	Flat	Yes	Yes	5	5	N/A -
356667	120	Black transparent bottom	Flat	Yes	Yes	5	50	N/A -
356705	120	Black transparent bottom	Flat	Yes	Yes	20	80	N/A -
354664	120	White transparent bottom	Flat	Yes	Yes	5	5	N/A -
356664	120	White transparent bottom	Flat	Yes	Yes	5	50	N/A -
356702	120	White transparent bottom	Flat	Yes	Yes	20	80	N/A -
354665	120	White	Flat	Yes	Yes	5	5	N/A -
356665	120	White	Flat	Yes	Yes	5	50	N/A -
356703	120	White	Flat	Yes	Yes	20	80	N/A -
<b>384-well plates Corning BioCoat™ Poly-D-Lysine</b>								
354662	120	Transparent	Flat	Yes	Yes	5	5	N/A -
356662	120	Transparent	Flat	Yes	Yes	5	50	N/A -
354663	120	Black transparent bottom	Flat	Yes	Yes	5	5	N/A -
354660	120	White transparent bottom	Flat	Yes	Yes	5	5	N/A -
356660	120	White transparent bottom	Flat	Yes	Yes	5	50	N/A -
354661	120	White	Flat	Yes	Yes	5	5	N/A -
356661	120	White	Flat	Yes	Yes	5	50	N/A -

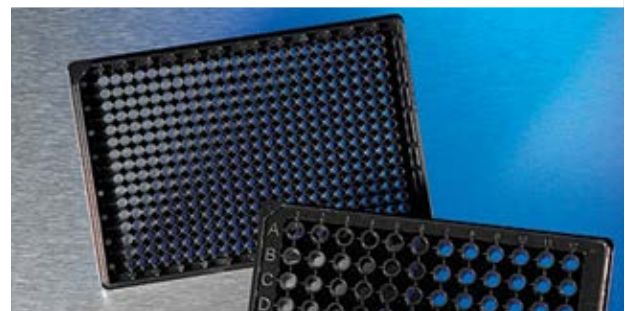
\* Low reaction volume

STORAGE  
SCREENING

## Corning BioCoat™ 384-well Plates with glass bottom

- Flat bottom in optical glass, thickness 200 µm
- Ideal for imaging microscopy
- Black frame to limit the background noise in fluorescence
- Supplied with lid
- Non-treated: consult us

Treatment	Sterile	Cat. No.	Price 10 units
Collagen I	No	004583	N/A -
Fibronectin	No	004585	N/A -
Poly-D-Lysine	No	004587	N/A -



## Corning® 384-well plates



Different treatments: untreated, cell culture, non-binding, poly-D-Lysine, Corning® CellBIND, collagen, fibronectin, multi-coated, Ultra-Low Attachment.

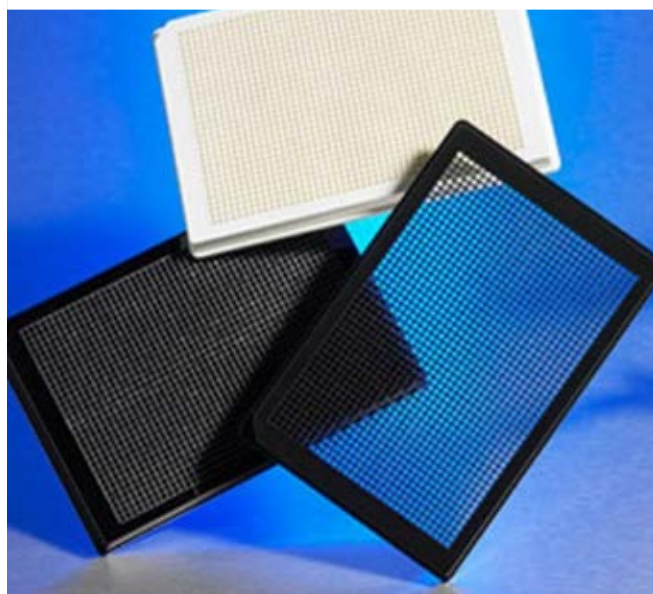
Corning® CellBIND: uses waves to increase the incorporation of oxygen into the cell culture surface, for better cell adhesion under difficult conditions.

Ultra-low attachment: with a hydrogel layer that minimises cell attachment.

- ▶ In polystyrene
- ▶ Flat and transparent bottom
- ▶ Well volume: 110.5 µl

Treatment	Lid	Sterile	Units/ bag	Units/ box	White plates		Black plates	
					Cat. No.	Price/ box	Cat. No.	Price/ box
Non treated	No	No	25	100	003763	N/A -	003762	N/A -
Cell culture	Yes	Yes	20	100	003765	N/A -	003764	N/A -
Non-binding	Yes	No	25	100	-	-	003766	N/A -
Non-binding	No	No	25	100	003767	N/A -	-	-
Poly-D-Lysine	No	Aseptic	20	100	-	-	003768	N/A -
Poly-D-Lysine	Yes	Aseptic	20	100	003769	N/A -	-	-
Corning® CellBIND	Yes	Yes	20	100	-	-	003770	N/A -
Ultra-low attachment	Yes	Yes	20	100	-	-	004588	N/A -
Collagen	Yes	Aseptic	20	100	-	-	004690	N/A -
Fibronectin	Yes	Aseptic	20	100	-	-	004596	N/A -
Multi-coated	Yes	No	10	10	-	-	004589	N/A -

## Corning® 1536-well plates



- ▶ In cyclic olefin copolymer (COC)
- ▶ Flat edge for better sealing of the plates
- ▶ Ultra clear 127 µm
- ▶ With barcode, either on the length or width of the plate
- ▶ 2 versions:
  - low base, for reading from above
  - and high base for reading from below

Treatment	Version	Sterile	Colour	Packaging unit	Units/ box	Bar code on the length		Bar code on the width	
						Cat. No.	Price/ box	Cat. No.	Price/ box
Non treated	Low base	No	Black transparent bottom	20	100	004560	N/A -	004675	N/A -
Cell culture	Low base	Yes	Black transparent bottom	20	100	004561	N/A -	004676	N/A -
Corning CellBIND	Low base	Yes	Black transparent bottom	20	100	004563	N/A -	004373	N/A -
Poly-D-Lysine	Low base	No	Black transparent bottom	20	100	004564	N/A -	004677	N/A -
Non treated	High base	No	Black	10	50	004565	N/A -	004371	N/A -
Cell culture	High base	Yes	Black	10	50	004566	N/A -	004705	N/A -
Non-adherent	High base	No	Black	10	50	004567	N/A -	-	-
Corning CellBIND	High base	Yes	Black	10	50	004568	N/A -	-	-
Non treated	High base	No	White	10	50	004570	N/A -	004372	N/A -
Cell culture	High base	Yes	White	10	50	004571	N/A -	004370	N/A -
Non-adherent	High base	No	White	10	50	004572	N/A -	-	-
Corning CellBIND	High base	Yes	White	10	50	004573	N/A -	-	-



## Vision Framestar 384-well Microplates for cell screening



- Optimal signal-to-noise ratio, excellent flatness 100 µm, compliant with SBS tolerances
- Well profile to avoid edge effects and bubble formation
- Suitable for most detection systems
- Collagen 1 treatment, Poly-D-lysine: consult us
- Bar code possible: please contact us
- Polystyrene surface thickness 150 µm (700 µm on request)
- Applications: cell testing, fluorescence testing, chemiluminescence, colorimetry

Cat. No.	Sterile	Treatment	With lid	Units/box	Price/box
044742	Yes	Culture	Yes	24	N/A -
044744	Yes	No	No	30	N/A -
044745	No	No	No	30	N/A -



## 96-well microplates

Cat. No.	Bottom	Sterile	Units/box	Price/box
390963	U	No	50	N/A -
390966	U	Yes	50	N/A -
390964	V	No	50	N/A -
390967	V	Yes	50	N/A -
390965	Flat	No	50	N/A -
390968	Flat	Yes	50	N/A -

### Lids

Cat. No.	Sterile	Units/box	Price/box
390969	No	50	N/A -
390970	Yes	50	N/A -



U bottom



V bottom



Flat bottom

- In polystyrene
- Individual packaging



## 96-Well Plates, flat, round or conical bottom



- Made of high quality crystal polystyrene
- Available in flat bottom for spectrophotometry, round bottom (U) or V bottom (minimises liquid residue)
- Compatible with robots
- 3 volumes: 240 µl, 300 µl, 350 µl

Cat. No.	Description	Volume	Units/box	Price/box
058073	96-well plate, flat bottom	350 µl	100	N/A -
058074	96-well plate, round bottom	300 µl	100	N/A -
058075	96-well plate, V bottom	200 µl	100	N/A -



STORAGE  
SCREENING

## White and black standard 96-well plates



- White plates, black plates or black plates with white wells
- Flat bottom, 350 µl well
- In polystyrene treated with immuno culture (high binding) or non-treated
- For all applications in fluorescence, luminescence, scintillation or Elisa tests

Cat.No	Colour	Lid	Type	Units/box	Price/box
043453	White	No	Standard	100	N/A -
043455	White	Yes	Cell culture	100	N/A -
043456	Black	No	Standard	100	N/A -
043458	Black	Yes	Cell Culture	100	N/A -
043460	Black and White	-	-	100	N/A -



## Riplate® 96 Polystyrene Plates



- Ideal for ELISA applications
- Dimensions: 128 x 85 mm
- Compatible with most laboratory automates
- Alphanumeric marking

Cat. No.	Volume (µl)	Bottom	Material	Units/box	Price/box
071430B	300	V	PP	64	N/A -
071429	350	Flat	PP	100	N/A -
071426	300	U	PS	100	N/A -
071427	240	V	PS	100	N/A -
071428	350	Flat	PS	100	N/A -

## Riplate® 384 Polystyrene Plates

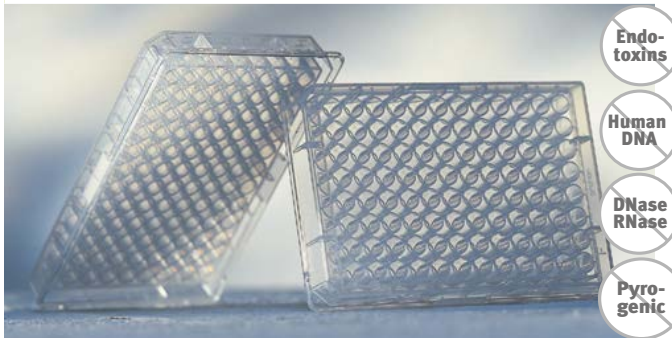


- Optimal for low volumes
- Alphanumeric marking
- Rounded cavities to reduce capillarity
- Stackable
- Raised well edges to prevent cross-contamination and improve sealing
- Total volume: 60 µl
- Working volume: 30 - 50 µl

Cat. No.	Bottom	Colour	Material	Applications	Units/box	Price/box
071431	Flat	Natural	PP	Storage	100	N/A -
071432	Flat	Natural	PS	Microscopy	100	N/A -
071433	Flat	White	PS	Luminescence	100	N/A -
071434	Flat	Black	PS	Fluorescence	100	N/A -
071435	V	Natural	PS	Microscopy	100	N/A -
071436	V	White	PS	Luminescence	100	N/A -
071437	V	Black	PS	Fluorescence	100	N/A -



## Greiner Bio-One polypropylene 96, 384 or 1536 well plates

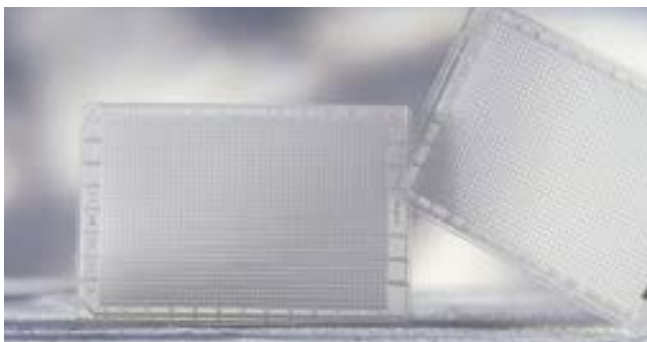


- Endo-toxins
- Human DNA
- DNase RNase
- Pyrogenic

- Rigid polypropylene plates, SBS standard
- For storage of samples
- Can be sealed cold, hot or with mats
- Temperature resistant from -196 °C to +121 °C
- Can be centrifuged up to 4800 g
- Bar code option available on request: consult us

### CapMats flexible lids for 96 round well plates

Cat. No.	Description	Sterile	Pack. unit	Units/box	Price/box
381070	Flexible lid	Non	10	50	N/A -
381061	Flexible lid	Oui	1	50	N/A -



### 1536 well plates (sterile version also available)

Cat. No.	Bottom	Colour	Well volume (µl)	Packaging unit	Units/box	Price/box
782270	Flat	Natural	20	15	60	N/A -

### 96-well plates

Cat. No.	Bottom	Colour	Sterile	Well volume (µl)	Pack. unit	Units/box	Price/box
650201	Round	Natural	No	300	10	100	N/A -
650292*	Round	Natural	No	300	-	32	N/A -
650261	Round	Natural	Yes	300	10	100	N/A -
650209	Round	Black	No	300	10	100	N/A -
650207	Round	White	No	300	10	100	N/A -
655201	Flat	Natural	No	370	10	100	N/A -
655209	Flat	Black	No	370	10	100	N/A -
651201	V	Natural	No	335	10	100	N/A -
651209	V	Black	No	335	10	100	N/A -

\* With lid

### 384-well plates

Cat. No.	Bottom	Colour	Well volume (µl)	Packaging unit	Units/box	Price/box
781201	Flat	Natural	140	10	100	N/A -
781209	Flat	Black	140	10	100	N/A -
781207	Flat	White	140	10	100	N/A -
781280	V	Natural	130	10	100	N/A -
781270*	V	Natural	240	6	60	N/A -
781271*	V	Natural	240	6	60	N/A -

\* Deepwell

### 384-well Plates low volume

Cat. No.	Bottom	Colour	Well volume (µl)	Packaging unit	Units/box	Price/box
784201	V	Natural	30	10	100	N/A -
784209	Flat	Black	30	10	100	N/A -

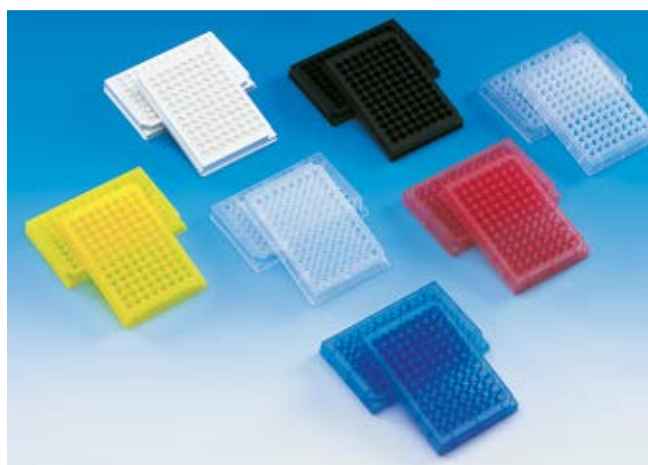
## Nunc Polypropylene 96-Well Microplates

Plates for robotic systems

- **Well Capacity:** 0.5 ml round bottom or 0.35 ml conical bottom
- **Straight edges and long-skirted lid** for a better grip on robots
- **Available with barcode** on request
- **Round or conical bottom**
- **Autoclavable**
- **Temperature resistant** from -180 °C to +121 °C
- **Dimensions:** 128 x 86 x 14 mm

Various colours:

- **natural:** for sterile and non-sterile plates designed for screening, sample collection, combinatorial chemistry, liquid phase testing and sample storage;
- **black:** for **fluorescence** applications, reduction of background noise, minimal scattering of return light;
- **white:** for **fluorescence** and **luminescence** applications, maximum signal reflection, minimum autoluminescence and autofluorescence;
- red, blue or yellow: for sample banks, storage, sample collection.



### Conical bottom Plates

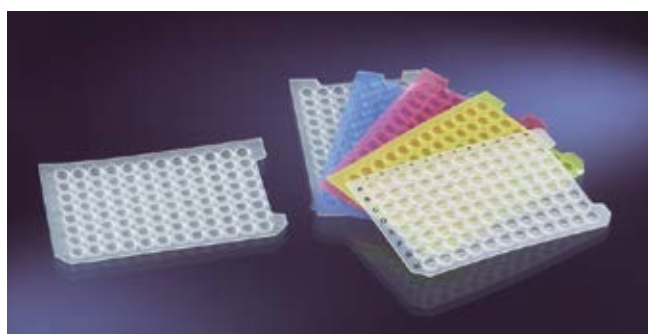
Colour	Natural sterile	Natural	White	Black	Red	Blue	Yellow
Packaging unit	20	20	20	20	20	20	20
Units/box	120	120	120	120	120	120	120
Cat. No.	055528	055529	055530	055531	055532	055533	055534
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

### Round bottom plates

Colour	Natural sterile	Natural	White	Black	Blue	Yellow
Packaging unit	10	10	10	10	10	10
Units/box	120	120	120	120	120	120
Cat. No.	054309	054310	054311	054312	054314	054315
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

### Flexible cover mats

Colour	Natural sterile	Natural	Blue	Yellow
Packaging unit	1	5	5	5
Units/box	50	50	50	50
Cat. No.	054316	054317	054319	054320
Price/box	N/A -	N/A -	N/A -	N/A -



## Nunc polypropylene 384-well plates

- **Microplates Compatible with robotic systems**
- **Square wells with round bottom** for better sample access and optimal washing
- **Applications**
  - **Design and storage of DNA banks** for genetic testing and screening
  - **Synthesis and storage of compounds** for combinatorial chemistry
  - **Black and white versions** for fluorescence and luminescence methods

### Standard plates

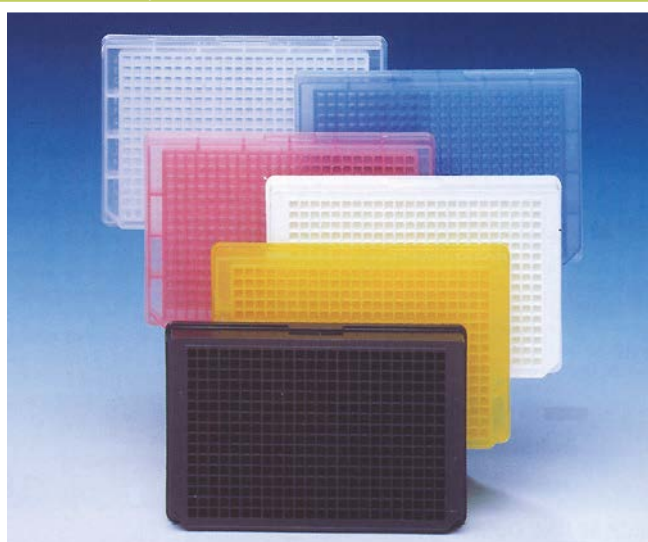
Well Total volume: 120 µl. Usable capacity: 10 to 100 µl.

Colour	Natural	White	Black	Blue
Packaging unit	10	10	10	10
Units/box	120	120	120	120
Cat. No.	054322	054323	054324	054326
Price/box	N/A -	N/A -	N/A -	N/A -

### Low volume plates

Maximum volume: 58 µl. Usable capacity: 35 µl.

Colour	Natural	Natural sterile	Black	White
Packaging unit	10	10	10	10
Units/box	100	100	100	100
Cat. No.	056271	056272	056273	056274
Price/box	N/A -	N/A -	N/A -	N/A -







## Falcon® Polypropylene 96-well storage plates



- Made of low-retention, deformation-resistant polypropylene
- Sealing with mat or film
- Compatible with robotic systems
- 96-well Standard plates

Cat. No.	Volume/wells	Bottom	Units/bag	Units/box	Price/box
351190	340 µl	Round	25	100	N/A -
353263	340 µl	Conical	25	100	N/A -



## ABgene® Polypropylene 96-well storage microplates



- Made of virgin polypropylene without additives
- Ideal for combinatorial chemistry, storage
- Well Volume: 370 µl
- To SBS standards
- Well Bottom: round
- Ultra-transparent wells for excellent sample visibility
- Alphanumeric index



Cat. No.	Colour	Units/box	Price/box
016060	Natural	100	N/A -



## ABgene® 96-well storage plates, V-bottom



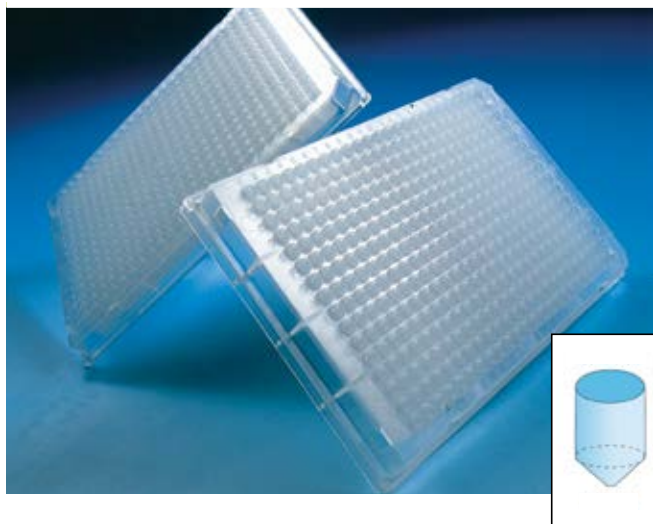
- Made of virgin polypropylene for sample storage (no leaching)
- Reinforced skirt for handling with robots
- Capacity 200 µl per well
- To SBS standards
- Alphanumeric marking and cut corner
- Closes with heat-sealable film, adhesive or cap strips
- Also available with custom barcode



Cat. No.	Description	Units/box	Price/box
016313	Storage 96-well plate, V bottom	100	N/A -



## ABgene® 384-well Microarray Plates

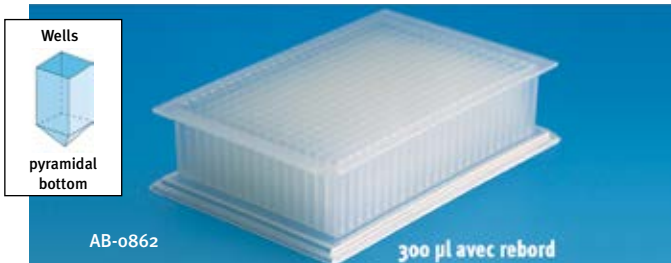
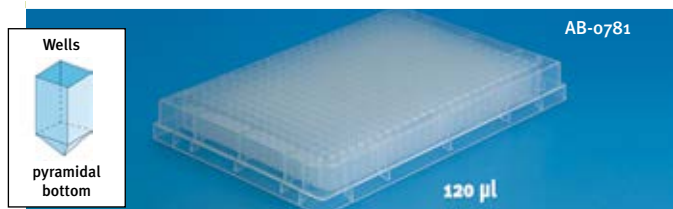


- Made of virgin polypropylene with excellent chemical resistance
- For storage of low volume samples
- Compliant with SBS microplate standards
- Low profile and reinforced sides
- Also available with custom barcodes
- Alphanumeric marking and cut corners
- Can be closed with heat-sealable or adhesive film, or a flexible septum mat

Cat. No.	Well Vol. (µl)	Well shape	Colour	Units/box	Price/box
016444	55	Conical	Natural	50	N/A -

thermo scientific

## ABgene® 384-well storage Plates



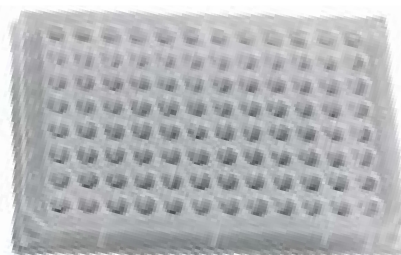
- Made of virgin polypropylene
- Excellent rigidity
- Perfectly flat
- 3 different volumes for all applications
- Highly transparent 250 µl plate for good visibility of wells during sample deposition
- Pyramid bottom well for maximum sample recovery
- Double flange individualising each well for optimal sealing (adhesive, heat seal)
- Alphanumeric index

Volume	120 µl	250 µl	300 µl with edge
Well shape	Squared	Squared	Squared
Units/box	50	50	50
Natural	<b>016100</b>	<b>016572</b>	<b>016111</b>
Price/box	N/A -	N/A -	N/A -

## Polypropylene 96-round well microplates, flat, round or V-shaped raised bottom

- Flat, round or V-bottom plates
- Low profile with or without a ring on the well for easy sealing of adhesives

Cat.No	Description	Units/box	Price/box
<b>043459</b>	96-well plate, raised flat bottom 350 µl	100	N/A -
<b>058086</b>	96-well plate, raised flat bottom 270 µl with ring	100	N/A -
<b>058087</b>	96-well plate, raised V bottom 220 µl with ring	100	N/A -



## Eppendorf high transparency polypropylene 96 and 384 well microplates

For sample storage or applications requiring high resistance to solvents, such as DMSO. The 384 microplates are available in DNA LoBind and Protein LoBind grades for micro-volume applications.

- High transparency
- Black wells for fluorescence detection
- White wells for luminescence detection and/or low fluorescence levels
- OptiTrack®: Matrix alphanumeric marking combined with coloured borders
- RevoerMax® Well design: optimised well geometry, without any acute angles. For maximum sample recovery
- g-safe®: centrifugation resistance up to 6 000 g (5 000 g for sterile plates)
- Operating temperature from - 86 °C to 100 °C
- Autoclavable (121 °C, 20 min)
- Complies with ANSI/SBS standards
- Controlled by batch:
  - PCR clean, free of human DNA, DNase, RNase and PCR inhibitors
  - sterile



### PP 384-well microplates

Well colour	Colour Frame	Working Vol.	Total Vol.	Bottom	The 80 plates (5 x 16)		The 240 plates (10 x 24)	
					Cat.No	Price/box	Cat.No	Price/box
<b>PCR Clean</b>								
Clear	White	10-120 µl	150 µl	Flat	<b>035379</b>	N/A -	<b>035387</b>	N/A -
Clear	White	5-120 µl	140 µl	V	<b>035380</b>	N/A -	<b>035388</b>	N/A -
White	Gray	5-120 µl	140 µl	V	<b>035381</b>	N/A -	<b>035389</b>	N/A -
Black	White	5-120 µl	140 µl	V	<b>035382</b>	N/A -	<b>035390</b>	N/A -
<b>Sterile</b>								
Clear	White	10-120 µl	150 µl	Flat	<b>035383</b>	N/A -	<b>035391</b>	N/A -
Clear	White	5-120 µl	140 µl	V	<b>035384</b>	N/A -	<b>035392</b>	N/A -
<b>DNA LoBind</b>								
Clear	White	5-120 µl	140 µl	V	<b>035385</b>	N/A -	<b>035393</b>	N/A -
<b>Protein LoBind</b>								
Clear	White	5-120 µl	140 µl	V	<b>035386</b>	N/A -	<b>035394</b>	N/A -

### PP 96-well microplates

Well colour	Colour Frame	Working Vol.	Total Vol.	Bottom	The 80 plates (5 x 16)		The 240 plates (10 x 24)	
					Cat.No	Price/box	Cat.No	Price/box
<b>PCR Clean</b>								
Clear	White	50-350 µl	400 µl	Flat	<b>035359</b>	N/A -	<b>035369</b>	N/A -
Clear	White	20-320 µl	360 µl	Rounded	<b>035360</b>	N/A -	<b>035370</b>	N/A -
Clear	White	20-300 µl	350 µl	V	<b>035361</b>	N/A -	<b>035371</b>	N/A -
White	Gray	20-320 µl	360 µl	Rounded	<b>035362</b>	N/A -	<b>035372</b>	N/A -
White	Gray	20-300 µl	350 µl	V	<b>035363</b>	N/A -	<b>035373</b>	N/A -
Black	White	20-320 µl	360 µl	Rounded	<b>035364</b>	N/A -	<b>035374</b>	N/A -
Black	White	20-300 µl	350 µl	V	<b>035365</b>	N/A -	<b>035375</b>	N/A -
<b>Sterile</b>								
Clear	White	50-350 µl	400 µl	Flat	<b>035366</b>	N/A -	<b>035376</b>	N/A -
Clear	White	20-320 µl	360 µl	Rounded	<b>035367</b>	N/A -	<b>035377</b>	N/A -
Clear	White	20-300 µl	350 µl	V	<b>035368</b>	N/A -	<b>035378</b>	N/A -

STORAGE  
SCREENING

## Polypropylene 96 round well plates



- ▶ SBS Format , compatible with automates
- ▶ Alphanumeric marking
- ▶ For sample storage at 86 °C, DNA denaturation at 100 °C
- ▶ Can be centrifuged at 6000 g
- ▶ Raised well edges for improved sealing
- ▶ Produced in a class 8 certified clean room
- ▶ Autoclavable
- ▶ Dimensions L x W x H (mm) 127.8 x 85.5 x 14.8

Cat. No.	Number of wells	Vol. (µl)	Colour	Well shape	Well bottom	Units/box	Price/box
135700	96	360	Natural	Rounded	Conical	100	N/A -
135701	96	400	Natural	Rounded	Rounded	100	N/A -

## Polypropylene 24, 96 and 384 well plates

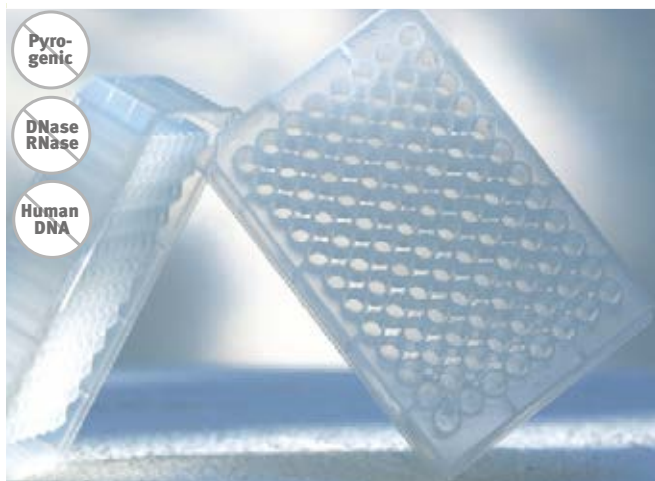


- ▶ Non-sterile polypropylene multi-well plates
- ▶ Alphanumeric markings
- ▶ High temperature resistant
- ▶ Can be closed with a plastic film or a lid

Cat. No.	Description	Pack unit.	Units/box	Price/box
064025	24-well plate	10	100	N/A -
064026	96-well plate, flat bottom	10	100	N/A -
064027	96-well plate, round bottom	10	100	N/A -
064028	96-well plate, conical bottom	10	100	N/A -
064057	384-well plate, flat bottom, non sterile	-	100	N/A -
064058	PP Lid for PP 24-well plate	-	105	N/A -
064059	PP Lid for PP 96-well plate	-	105	N/A -
064060	PP Lid for PP 384-well plate	-	105	N/A -



## Greiner Bio-One Masterblock® 0.5 ml, 1 ml and 2 ml storage blocks



96-well storage blocks for screening or sample storage.

- ▶ Polypropylene with good chemical and temperature resistance
- ▶ Heat sealable, with adhesive or flexible lid
- ▶ Alphanumeric index
- ▶ Robotic compatibility possible: consult us
- ▶ Raised wells to 0.5 mm (instead of 0.4 mm) for better sealing
- ▶ Free rotor centrifugation speed: 4800 g except Cat. No. 780271, 1800 g

### Masterblock® - Natural

Cat. No.	Volume (ml)	Sterile	Well shape	Well bottom	Pack unit.	Units/box	Price/box
786201	0.5	No	Rounded	V	8	80	N/A -
786261	0.5	Yes	Rounded	V	8	80	N/A -
780201	1	No	Rounded	U	1	50	N/A -
780215	1	No	Rounded	U	5	50	N/A -
780261	1	Yes	Rounded	U	1	50	N/A -
780270	2	No	Square	V	1	50	N/A -
780285	2	No	Square	V	5	50	N/A -
780271	2	Yes	Square	V	1	50	N/A -

### Flexible lids for Masterblock®

Cat. No.	Flexible lid for	Sterile	Pack. unit	Units/box	Price/box
381070	Masterblock 0.5 ml and 1 m	No	10	50	N/A -
381061	Masterblock 0.5 ml and 1 m	Yes	1	50	N/A -
381080	Masterblock 2 ml	No	10	50	N/A -
381081	Masterblock 2 ml	Yes	1	50	N/A -



Nunc 96-well storage blocks

Polypropylene or polystyrene plates for sample storage, suitable for most robotic systems.

- Alphanumeric index
- Can be closed with an adhesive or a flexible mat
- Round-bottom cylindrical wells
- Possibility of placing a barcode

Polypropylene blocks

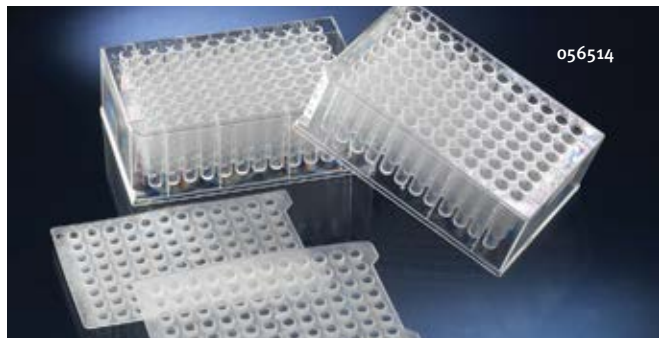
Cat. No.	Description	Pack unit.	Units/box	Price/box
055376	PP Storage block 1 ml	5	50	N/A -
055377	PP Storage block 1 ml sterile	5	50	N/A -
055378	PP Storage block 2 ml	5	60	N/A -
055379	PP Storage block 2 ml sterile	1	60	N/A -

Polystyrene blocks

Cat. No.	Description	Pack unit.	Units/box	Price/box
056514	PS Storage block 1 ml, non sterile	4	32	N/A -
056515	PS Storage block 1 ml, sterile	4	32	N/A -

Cap mat for polystyrene blocks

Cat. No.	Description	Pack unit.	Units/box	Price/box
056056	Sterile cap mat for Deepwell PS	1	25	N/A -



Nunc lids and flexible lids

- Lids**  
 Three models:
- Universal lid, without cut-off for all plates;
  - Ultra low profile cover with very low height;
  - LowBot lid, specifically designed for robotic handling, very flat profile, with short skirt to allow barcode marking on the plate without removing the lid.

Cat. No.	Model	Sterile	Compatibility	Pack. unit	Units/box	Price/box
056118	Universal	Yes	All plates	20	60	N/A -
056119	Universal	No	All plates	20	60	N/A -
056121	Universal	No	All plates	20	180	N/A -
055144	Condensation rings And Notched corners	Yes	96-well plates PS, deepwell PP	1	50	N/A -
055143	Condensation rings And Notched corners	No	96-well plates PS, deepwell PP	5	100	N/A -

Flexible lids

- Can be used down to -80 °C for thermoplastic elastomers
- Can be used down to -20 °C for silicone models
- Resistant to DMSO, ethanol and methanol
- Repeatable drillable

Cat. No.	Model	Sterile	Material	Colour	Drillable	Compatibility	Pack. unit	Units/box	Price/box
054316	96-Well Cap Mat	Yes	Thermoplastic elastomer	Natural	Yes	96-well Plate multiwell and deepwell PP 055375, 056175 and 055378	1	50	N/A -
054317	96-Well Cap Mat	No	Thermoplastic elastomer	Natural	Yes	Idem	5	50	N/A -
054319	96-Well Cap Mat	No	Thermoplastic elastomer	Blue	Yes	Idem	5	50	N/A -
056125	96-Well Cap Mat, pre-cut	No	Silicone	Natural	Yes	Idem	10	50	N/A -

STORAGE SCREENING

ABgene® 96-well storage Plates 0.8 ml, 1.2 ml and 2.2 ml



- ▶ Storage plates for sample storage, virgin polypropylene, no additives (no leaching)
- ▶ For applications in combinatorial chemistry, HTS, chemical libraries, etc.
- ▶ For bacterial culture, use the 2.2 ml conical bottom plate with permeable adhesive (type 016127)
- ▶ Good transparency for sample visibility
- ▶ Very good flatness
- ▶ Robotizable and can be centrifuged
- ▶ Excellent rigidity
- ▶ Individual packaging
- ▶ Also available with custom barcodes
- ▶ Alphanumeric marking
- ▶ Can be closed either with a rigid lid, a flexible lid with 96 pins, an adhesive film or by heat sealing



Volume	0.8 ml	1.2 ml	1.2 ml	2.2 ml	2.2 ml
Well shape	Round	Round	Square	Square	Square
Well Bottom	Conical	Round	Round	Round	Conical
Units/box	50	50	50	50	50
Plate	AB-0765	AB-0564	AB-1127	AB-0661	AB-0932
Natural	016061	016069	016532	016025	016086
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -
Red	016064	-	-	-	-
Price/box	N/A -	-	-	-	-

**Flexible mats**

Flexible closure lids for 96-well storage plates.

- ▶ Round or square wells
- ▶ Perfectly flexible
- ▶ Alphanumeric index
- ▶ Available in pierceable (solvent resistant, including DMSO) or autoclavable (not DMSO resistant) versions
- ▶ Manufactured in clean room



Cat. No.	Mat for Plates	Wells	Drillable	Auto-clavable	Units/box	Price/box
016095	0.8 and 1.2 ml	Round	Yes	No	50	N/A -
016096	0.8 and 1.2 ml	Round	No	Yes	50	N/A -
016098	2.2 ml	Square	No	Yes	50	N/A -

**Rigid lids**

Rigid polypropylene or polystyrene lids suitable for all ABgene storage trays. The lids with a rim make it easy to stack the plates.



Cat. No.	Material	Edge	Units/box	Price/box
016120	Polystyrene	No	50	N/A -
016123	Polypropylene	Yes	50	N/A -

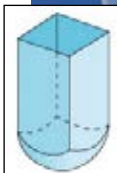
STORAGE SCREENING

## ABgene® Low Profile 96-well storage plates, 1.2 ml

For bacteria culture.

- Polypropylene 96-well 1.2 ml round bottom (1 ml storage volume if closed with flexible cap mat)
- Ultra compact, Height: 20 mm
- Also available with custom barcode
- Low Profile, to SBS standards
- Capacity 1.2 ml per well
- Can be closed with heat-sealable film, flexible lid or porous adhesive

Cat. No.	Description	Units/box	Price/box
016532	Storage 96-well plate, Low Profile	50	N/A -



## ABgene® 48-well storage plates, 6 ml

- Made of polypropylene
- 48 wells, 6 ml
- Can be used as a reservoir for automats
- Closes with an adhesive film
- Alphanumeric index

Cat. No.	Description	Units/box	Price/box
016099	Plate 6 ml	50	N/A -



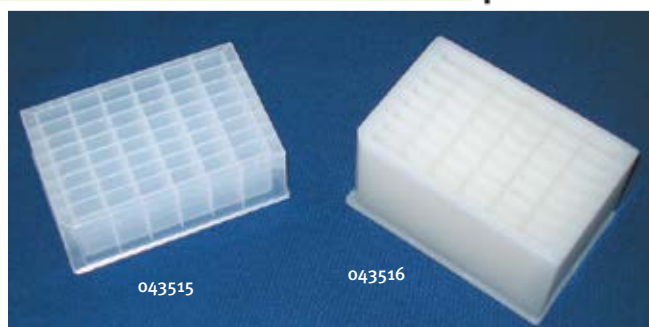
## V-bottom square well microplates, large volume

porvair

Cat. No.	Description	Units/box	Price/box
058093	Microplate 10 ml 24 square wells, V bottom	25	N/A -
043515	Microplate 5 ml 48 square wells, V bottom	25	N/A -

### Capmat mat

Cat. No.	Description	Units/box	Price/box
058049	Capmat for plate 043516	100	N/A -



## Microplates and Deepwells 96 square deep wells

porvair

- Whatever the volume, the height of the plate is the same, which makes it easy to use with robotic systems
- Height 45 mm
- Three volumes: 350 µl, 1 ml and 2 ml
- Made of polypropylene selected as low-release, sterile or non-sterile
- Conical bottom for easy sample concentration or recovery

Cat. No.	Volume	Sterile	Units/box	Price/box
043449	350 µl	No	50	N/A -
043511	350 µl	Yes	50	N/A -
043450	1 ml	No	50	N/A -
043512	1 ml	Yes	5	N/A -
043451	2 ml	No	50	N/A -



### Flexible mat

Cat. No.	Description	Units/box	Price/box
043452	Flexible mat for square well plate	50	N/A -



porvair

## DeepWell 96-Well reinforced Plates

058119



058121



- Made of polypropylene, resistant to sample bead milling
- Reinforced wells
- Ideal for plant DNA extraction
- Resistant to -80 °C

- Total Vol. 2 ml / Working Vol.: 1.90 ml
- Well Height: 45 mm
- Available Sterile or non-sterile

Cat. No.	Description	Units/box	Price/box
058119	DeepWell 96-Well reinforced Plate	50	N/A -
058120	DeepWell 96-Well reinforced Plate, sterile	50	N/A -
058121	Deepwell 96-well reinforced cap mat for plate	50	N/A -

porvair

## Deepwells 24 and 96 well plates for bacterial growth



- Made of polypropylene
- With lid
- Sterile
- Round or square wells

Cat. No.	Number of wells	Wells	Volume	Units/box	Price/box
058119	24	Square	10 ml	25	N/A -
058120	96	Rounded	1 ml	25	N/A -
058121	96	Square	2 ml	25	N/A -

porvair

## 384 square, round-bottom or V-shaped well microplates



- Extra plates
- Three volumes: 58 µl, 120 µl and 300 µl
- Polypropylene, sterile or non-sterile

Cat. No.	Wells	Volume (µl)	Sterile	Units/box	Price/box
058091	Round	58	No	60	N/A -
058092	V	300	No	48	N/A -
043509	V	300	Yes	48	N/A -

eppendorf

## Eppendorf Deepwell 96 and 384 microplates



- **OptiTrack®: Matrix** alphanumeric marking combined with coloured edges
- **RecoverMax® Well design:** optimised well geometry, without any acute angles. For maximum sample recovery
- **g-safe®:** centrifugation resistance up to 6 000 g (5 000 g for sterile plates)
- SBS Standard Compliant
- Flat surface with raised edges for effective sealing
- Operating temperature: from -86 °C to 100 °C
- Autoclavable (121 °C, 20 min)

No. wells	Volume (µl)	Quality	Units/box	Blue	White	Yellow	Green	Price/box	Units/box	White	Price/box
96	2000	PCR clean	20	034285	034281	034282	034284	N/A -	80	034291	N/A -
96	2000	Sterile	20	034290	034286	034287	034289	N/A -	80	034296	N/A -
96	2000	PCR clean, Protein LoBind	20	-	933088	-	-	N/A -	-	-	-
96	1000	PCR clean	20	034245	034241	034242	034244	N/A -	80	034261	N/A -
96	1000	Sterile	20	034250	034246	034247	034249	N/A -	80	034266	N/A -
96	1000	PCR clean, DNA LoBind	20	034255	034251	-	-	N/A -	80	034271	N/A -
96	1000	PCR clean, Protein LoBind	20	-	034256	034257	-	N/A -	80	034276	N/A -
96	500	PCR clean	40	034204	034200	034201	034203	N/A -	120	034220	N/A -
96	500	Sterile	40	034209	034205	034206	034208	N/A -	120	034225	N/A -
96	500	PCR clean, DNA LoBind	40	034214	034210	-	-	N/A -	120	034230	N/A -
96	500	PCR clean, Protein LoBind	40	-	034215	034216	-	N/A -	120	034236	N/A -
384	200	PCR clean	40	-	034301	-	-	N/A -	120	034321	N/A -
384	200	Sterile	40	-	034306	-	-	N/A -	120	034326	N/A -
384	200	PCR clean, DNA LoBind	40	-	034311	-	-	N/A -	120	034331	N/A -
384	200	PCR clean, Protein LoBind	40	-	034316	-	-	N/A -	120	034336	N/A -

- Controlled by batch:
  - **PCR clean:** free of human DNA, DNase, RNase and PCR inhibitors or -sterile: available in DNA LoBind and Protein LoBind grades, with very low molecular adsorption, sterile

### Eppendorf Sealing mats in TPE



Mat for Plates square wells (2000 µl)	Mat for Plates round wells (500 - 1000 µl)	Units/box	Price/box
033826B	035044B	50	N/A -

### Lids - In transparent polystyrene, packed in 5 bags of 16

Cat. No.	Description	Units/box	Price/box
035719	PCR CLEAN lid for microplates or Deepwell	80	N/A -
035720	Sterile lid for microplates or Deepwell	80	N/A -

## Treff Deepwell plates 0.5 ml, 1.2 ml and 2.2 ml



Designed for storage or screening.

- Polypropylene or polystyrene 96-well plates
- 100% virgin polymer, no additives
- Fully automated production in a clean room class 8 according to ISO 14644-1
- Free of RNase, DNase, human DNA, endotoxins, PCR and ATP inhibitors
- Tightness tested
- Permanent testing of flatness and wall thickness
- Round-bottom wells
- ANSI/SLAS 2004 standard for robotic handling

- Suitable for magnetic separation devices
- Alphanumeric marking
- Ready to use (CleanRoom Pure)
- Resistant to a wide temperature range PP approximately -80 °C to +121 °C (autoclave 20 minutes, 100% humidity) according to DIN EN 285. PS -20 °C to 60 °C
- Centrifugation resistant up to 6000 g when used with Trefflab centrifuge mats
- Stackable
- Flexible mat or adhesive closure
- Raised well edges to prevent cross-contamination and improve sealing

### 0.5 ml plates (round wells)

Cat. No.	Vol. (ml)	Material	Wells	Sterile	Pack unit.	Units/box	Price/box
034112B	0.5	Polypropylene	Round	No	7	56	N/A -
034174	0.5	Polypropylene	Round	Yes	7	56	N/A -
034113	Flexible lid for 034112B				50	50	N/A -

### 1.2 ml plates (round wells)

Cat. No.	Vol. (ml)	Edges raised	Material	Sterile	Pack unit.	Units/box	Price/box
034050	1.2	No	Polystyrene	No	4	32	N/A -
034051	1.2	No	Polypropylene	No	4	32	N/A -
034052	1.2	No	Polystyrene	Yes	4	32	N/A -
034053	1.2	No	Polypropylene	Yes	4	32	N/A -
034170	1.2	Yes	Polypropylene	No	4	32	N/A -
034171	1.2	Yes	Polystyrene	Yes	4	32	N/A -
034172	1.2	Yes	Polypropylene	Yes	4	32	N/A -
034173	1.2	Yes	Polystyrene	No	4	32	N/A -
034113	Flexible lid				50	50	N/A -



### 2.2 ml plates (square wells, round bottom)

Cat. No.	Volume (ml)	Material	Wells	Sterile	Pack unit.	Units/box	Price/box
034055	2.2	Polypropylene	Square	No	4	32	N/A -
034190	2.2	Polypropylene	Square	Yes	4	32	N/A -
034056	Flexible lid for 034055				50	50	N/A -

## Labcon Deepwell 2.5 ml microplates



- Squared wells
- Total volume 2.5 ml, 2.2 ml with cap mat
- Corner with black marking for correct orientation of the plate
- With or without lid
- Polypropylene microplate and lid, autoclavable
- Resistant to -80 °C

Cat. No.	Description	Units/box	Price/box
949480	96-well plate	10	N/A -
949481	96-well plate with lid	10	N/A -

### Cap mat

- In silicone
- Autoclavable at 121 °C
- Suitable for 96 square well PCR plates

Cat. No.	Description	Units/box	Price/box
950692	Cap mat	50	N/A -



STORAGE  
SCREENING

## Labcon 96-well Deepwell Microplates



- Alphanumeric marking
- Internal Smooth-shape for better sample recovery
- SBS format suitable for use with robotic systems
- Autoclavable
- Resistant to -80 °C

Cat. No.	Volume (mL)	Sterile	Packaging unit	Units/box	Price/box
949478B	1.2	No	10	100	N/A -
950621		Yes	10	100	N/A -
949529	2.2	No	10	100	N/A -
949530		Yes	10	100	N/A -
949471B*		No	10	100	N/A -

\*For forensic application



## Matrix 96-well Deepwell Plates



- > Made of polypropylene
- > Round bottom wells, volume per well: 1 ml or 2 ml
- > 96 wells
- > SDS format for robotic handling
- > Translucent
- > Alphanumeric well marking
- > Chimney wells to avoid the risk of cross-contamination when filling the wells

Cat. No.	Description	Units/box	Price/box
446197	Martrix Deepwell Microplate 1 ml, 96-well	40	N/A -
446875	Martrix Deepwell Microplate 2 ml, 96-well	40	N/A -

## Cap Mat



Cat.No	Cap Mat for	Sterile	Units/box	Price/box
446049	1 ml block, 96 round well plate and Snap Racks	No	100	N/A -
446050	1 ml block, 96 round well plate and Snap Racks	No	10	N/A -
446051	1 ml block, 96 round well plate and Snap Racks	Yes	10	N/A -
446454	2 ml block, square wells	No	100	N/A -
446440	2 ml block, square wells	No	10	N/A -

## Whatman™UNIPLATE Microplates



In transparent polypropylene. Ideal for applications below.

- > Combinatorial chemistry
- > Scintillation counting
- > Cryo storage of samples
- > Tissue culture
- > Mini-plasmid preparations
- > Batch study of antigens/antibodies
- > Storage of DMSO, powders and cryostorage

Cat.No	Well base	Well shape	Vol. (µl)	No. of wells	Units/box	Price/box
036065	Round	Square	2000	96	25	N/A -
036066	Plate	Rectangular	5000	48	25	N/A -

### Flexible Lid and Mat

Cat. No.	Description	Units/box	Price/box
036051	Lid In transparent polystyrene	100	N/A -

## Whatman™24-well Plates, 10ml



- > Cleaning and storage of compounds
- > Mid-preparation of plasmid DNA
- > Purification of recombinant vectors
- > Culture of bacteria and fungi

Cat.No	Material Plate	Well base	Well shape	Well Vol.	Number of wells	Units/box	Price/box
036067	Natural PP	Round	Square	10 ml	24	25	N/A -
036698	Natural sterile PP	Round	Square	10 ml	24	25	N/A -



## Riplate® medio Plates

- ▶ Compact design reduces stacking height by 50%
- ▶ Edges with raised wells for hermetic sealing
- ▶ Alphanumeric marking

Cat. No.	Height (mm)	Total Vol. (ml)	Working Vol. (µl)	Sterile	Units/box	Price/box
750289B	27	1.2	50 to 1000	No	32	N/A -
071414	20.5	0.6	20 to 500	No	40	N/A -

### Accessory

Cat. No.	Description	Units/box	Price/box
071425	Cap mat	20	N/A -



## Riplate® Plates, round bottom

- ▶ SBS format
- ▶ Alphanumeric marking
- ▶ Raised well edges to prevent cross-contamination and improve sealing
- ▶ Suitable for use in thermal cycler and water bath

Cat. No.	Vol. (ml)	Colour	Material	Sterile	Units/box	Price/box
850276	1	Natural	PS	No	20	N/A -
850289	1	Natural	PP	No	20	N/A -
850290B*	1	Natural	PP	No	20	N/A -
071412	1	Natural	PS	Yes	10	N/A -
071413	1	Natural	PP	Yes	10	N/A -
023134*	1	Natural	PP	Yes	10	N/A -

\* Ventilation holes and raised well edges

### Accessories

Cat.No	Description	Units/box	Price/box
944310	Cap mat for Deepwell 1 ml	20	N/A -
071419	Cap mat for Deepwell 1 ml	10	N/A -
850277	Cap mat for Deepwell 1 ml, 25-pack	100	N/A -
606902	Cap mat for Deepwell 2 ml, 25-pack	100	N/A -



## Riplate® Plate, square bottom

- ▶ Made of polypropylene
- ▶ SBS format
- ▶ Alphanumeric marking
- ▶ Square wells for maximum volume

Cat. No.	Number of wells	Total volume (ml)	Working volume	Sterile	Units/box	Price/box
850301	96	2.5	50 µl to 2.4 ml	No	20	N/A -
850501	48	5	50 µl to 4.9 ml	No	20	N/A -
850601	24	10	50 µl to 9.9 ml	No	20	N/A -
071415	96	2.5	50 µl to 2.4 ml	Yes	10	N/A -
071416	48	5	50 µl to 4.9 ml	Yes	10	N/A -
071417	24	10	50 µl to 9.9 ml	Yes	10	N/A -

### Accessories

Cat.No	Description	Sterile	Units/box	Price/box
071465	Cap mat for 96-well plate, 2 ml	No	20	N/A -
071421	Cap mat for 48-well plate, 5 ml	No	20	N/A -
850557	Cap mat for 48-well plate, 5 ml	No	100	N/A -
071423	Cap mat for 24-well plate, 10 ml	No	20	N/A -
850677	Cap mat for 24-well plate, 10 ml	No	100	N/A -
071420	Cap mat for 96-well plate, 2 ml	Yes	10	N/A -
071422	Cap mat for 48-well plate, 5 ml	Yes	10	N/A -
071424	Cap mat for 24-well plate, 10 ml	Yes	10	N/A -



## 96 and 384 well Deepwell plates



- Ideal for long-term storage
- HTS, Compatible with most robots
- SBS format, ANSI/SLAS 1/2004
- Slightly raised well edges for easy sealing with films and mats
- Ultra-clear for good sample visualization
- Made of virgin polypropylene for good sample recovery, chemical resistance and long term storage
- Sterile version free of pyrogens
- Alphanumeric marking a-H and 1-12
- Autoclavable, stackable



Cat. No.	No. of wells	Volume	Wells	Bottom	Sterile	Units/box	Price/box
840879	96	1.1 ml	Rounded	Rounded	No	50	N/A -
840885	96	1.1 ml	Rounded	Rounded	Yes	50	N/A -
840886	96	2 ml	Rounded	Rounded	No	50	N/A -
840887	96	2 ml	Rounded	Rounded	Yes	50	N/A -
840888	96	1.1 ml	Square	V	No	50	N/A -
840889	96	2 ml	Square	V	No	50	N/A -
840890	96	2 ml	Square	V	Yes	50	N/A -
840891	384	240 µl	Square	V	No	50	N/A -
840892	384	240 µl	Square	V	Yes	50	N/A -

### Mat

Cat. No.	Pour well plate	Sterile	Units/box	Price/box
840880	Rounded	No	50	N/A -
840893	Rounded	Yes	50	N/A -
840894	Square	No	50	N/A -
840895	Square	Yes	50	N/A -

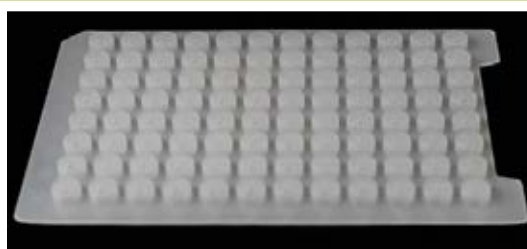
## Deepwell polypropylene plates with square wells



- SBS Format, compatible with automates
- Alphanumeric marking
- For sample storage at 86 °C, DNA denaturation at 100 °C
- Can be centrifuged at 6000 g
- Raised well edges for improved sealing
- Black plates for light sensitive samples
- Colour plates for identification
- Produced in a class 8 certified clean room
- Autoclavable

Cat. No.	Number of wells	Volume	Colour	Well shape	Well bottom	Dimensions L x W x H (mm)	Units/box	Price/box
135728	24	10 ml	Natural	Square	Conical	127.8 x 85.5 x 44.2	50	N/A -
135727	48	4.6 ml	Natural	Square	Rounded	127.8 x 85.5 x 41.2	50	N/A -
135718	96	1.6 ml	Natural	Square	Rounded	127.8 x 85.5 x 31.6	50	N/A -
135719	96	1.6 ml	Natural	Square	Conical	127.8 x 85.5 x 31.6	50	N/A -
135720	96	2 ml	Natural	Square	Conical	127.8 x 85.5 x 44.2	50	N/A -
135721	96	2 ml	Black	Square	Conical	127.8 x 85.5 x 44.2	50	N/A -
135722	96	2 ml	Blue	Square	Conical	127.8 x 85.5 x 44.2	50	N/A -
135723	96	2 ml	Yellow	Square	Conical	127.8 x 85.5 x 44.2	50	N/A -
135724	96	2 ml	Red	Square	Conical	127.8 x 85.5 x 44.2	50	N/A -
135725	96	2.2 ml	Natural	Square	Rounded	127.8 x 85.5 x 41.6	50	N/A -
135726	96	2.3 ml	Natural	Square	Conical	127.8 x 85.5 x 41.7	50	N/A -
135729	384	240 µl	Natural	Square	Conical	127.8 x 85.5 x 24.9	50	N/A -
135763	96	2.2 ml	Natural	Square	Rounded	127.8 x 85.5 x 44.2	50	N/A -
135764	384	300 µl	Natural	Square	Conical	128.15 x 85.5 x 30.2	50	N/A -

## Plate mat



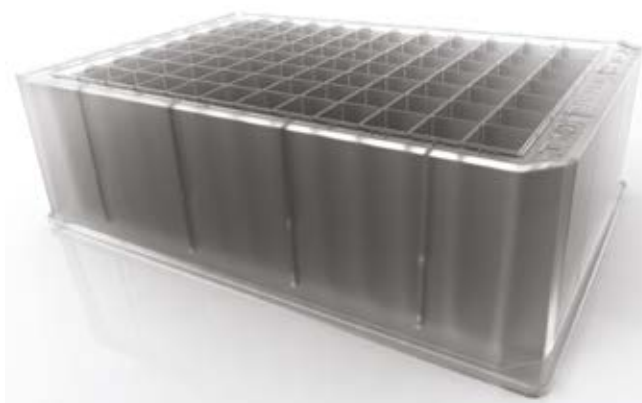
- In silicone or EVA
- Used for storage of aggressive solvents

Cat.No	Material	Compatibility	Perforable	Units/box	Price/box
135752	Silicone	96 square well plate 1 ml, 1.6 ml, 2 ml, 2.2 ml and 2.3 ml	No	50	N/A -
135753	Silicone	96 square well plate 1 ml, 1.6 ml, 2 ml, 2.2 ml and 2.3 ml	Yes	50	N/A -
135754	Silicone	96 round well plate 0.36 ml, 0.4 ml, 1 ml, 2 ml	Yes	50	N/A -
135755	Silicone	96 round well plate 2 ml	Yes	50	N/A -
135756	Silicone	PCR 96 round well plate	No	50	N/A -
135757	Silicone	384 square well plate	No	50	N/A -
135758	EVA	96 square well plate	No	50	N/A -
135759	Silicone	48 square well plate	No	50	N/A -

## Deepwells 96, 48, 24 well plates and lids

- Polypropylene sterile or non-sterile
- Square wells, flat bottom, alphanumeric index

Number of wells	Volume (ml)	Pack unit.	Units/box	Sterile		Non-sterile	
				Cat.No	Price/box	Cat.No	Price/box
96	2	5	20	064247	N/A -	064248	N/A -
48	5	5	20	064250	N/A -	064251	N/A -
24	10	5	20	064252	N/A -	064253	N/A -



### Lid - Polypropylene, non-sterile

Cat. No.	Description	Units/box	Price/box
064249	Lid for 96-well Deepwell	105	N/A -

## Deepwell Storage Plates

- Made of polypropylene
- Non-sterile
- Autoclavable

Cat. No.	Volume (ml)	Well shape	Units/bag	Price/bag
010212	1	Rounded	24	N/A -
010213	1.6	Square	24	N/A -
010214	2.2	Square	24	N/A -



## Deepwell 24-well Plates, 25 ml

- Well volume: 25 ml / total volume: 600 ml
- Made of polypropylene
- Height of the plate: 88 mm
- Optional barcode

Cat. No.	Description	Units/box	Price/box
750250	Deepwell 24-well plates, 25 ml	24	N/A -

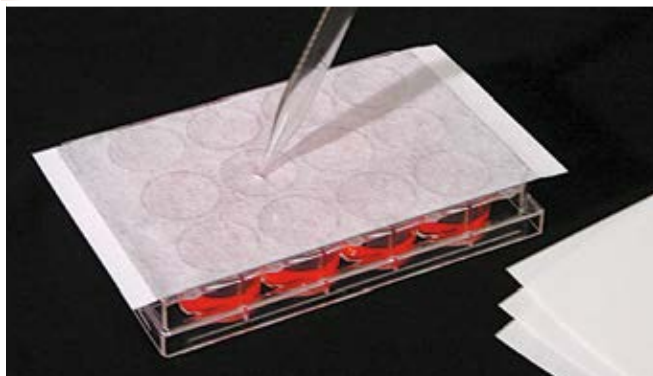




## Films for cell and microbial cultures

**ClearLine**

### ClearLine® AeraSeal™ Porous film



- ▶ Porous hydrophobic adhesive film with a total thickness of 140 µm
- ▶ Promotes uniform gas exchange in all wells
- ▶ Non-cytotoxic
- ▶ Highly gas permeable
- ▶ Easily pierced with a pipette tip for sample recovery
- ▶ Can be used from -20 °C to +80 °C

Cat. No.	Description	Units/box	Price/box
760214	AeraSeal™ Adhesive Film	100	N/A -
760215	AeraSeal™ Adhesive Film, sterile	50	N/A -
765247	AeraSeal™ film roll, non sterile, 81 mm x 100 m	-	N/A -

**4titude**

### Air-O-Seal 4titude Film



- ▶ Hydrophobic gas permeable adhesive film optimised for cell or bacterial cultures (available sterile)
- ▶ Pierceable, peelable
- ▶ Temperature range: -20 °C to 40 °C
- ▶ Humidity transfer rate: 4200 g/m<sup>2</sup>/day
- ▶ Porosity: 10 sec/100 cc/in<sup>2</sup>
- ▶ Dimensions: 135 x 78 mm

Cat.No	Description	Units/box	Price/box
044876	Air-O-Seal adhesive film	100	N/A -
044877	Air-O-Seal adhesive film, Sterile	100	N/A -

**4titude**

### 4Titude Peelable gas permeable adhesive films



- ▶ Sterile, for eukaryotic or bacterial cell cultures
- ▶ Pierceable, peelable
- ▶ Temperature range: -20 °C to 80 °C
- ▶ 3 film formats: 42, 96 or 384 wells / Dimensions: 135 x 80 mm
- ▶ Promotes gas exchange by limiting evaporation
- ▶ Applicator available: Cat. No. 044816, consult us

Cat.No	Description	Units/box	Price/box
044850	Adhesive Film for 96-well plate	50	N/A -
044849	Adhesive Film for 384-well plate	50	N/A -
448047	Adhesive Film for 42-well plate	50	N/A -

**greiner**  
BIO-ONE

### Greiner Bio-One BreathSeal porous film for culture



Gas permeable porous film for cell culture plates.

Cat.No	Description	Units/bag	Units/box	Price/box
676050	BreathSeal porous film	50	50	N/A -
676051	BreathSeal porous film, sterile	50	50	N/A -

### Breathe Easy and Breathe Easier adhesive films



- ▶ Films allowing the exchange of oxygen, CO<sub>2</sub>, and water vapours
- ▶ Non-cytotoxic, sterile, facilitate cell culture
- ▶ With two removable positioning tabs

#### ▶ Breathe - Easy features

- ▶ L x W (cm): 5.24 x 8.25
- ▶ UV transparent up to 300 nm

#### ▶ Breathe - Easier features

- ▶ Resistant to caustic agents and solvents from -20 °C to +80 °C
- ▶ L x W (cm): 15.24 x 8.89
- ▶ Easily pierced with a pipette tip

Cat. No.	Description	Units/box	Price/box
053472	Breathe - Easy Adhesive Film	100	N/A -
053473	Breathe - Easier Adhesive Film	100	N/A -

## Nunc sterile adhesive films



Adhesive films suitable for all microplates.  
Gas permeable rayon films for cell and microbiological culture.

Cat.No	Material	Drillable	RNase free	Sterile	Units/box	Price/box
055049	Polyester	No	No	Yes	800	N/A -
056261	Rayon	Yes	No	Yes	50	N/A -
056262	Rayon	No	Yes	No	50	N/A -
056487	Polyester	No	Yes	No	1000	N/A -

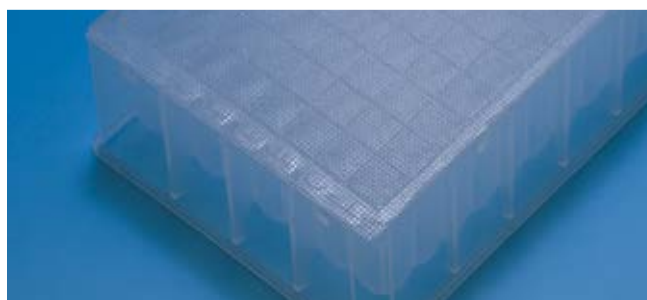


## Gas permeable adhesive film

A film that allows ventilation of crops while providing a barrier against bacterial contamination. The permeable film can be covered with another waterproof film or a cover.

- > Operating temperature: -20 °C to +80 °C
- > Dimensions: 151 x 84 mm

Cat. No.	Description	Units/box	Price/box
016127	Gas permeable film	50	N/A -



## Films for short-term storage, incubation and ELISA

### ClearLine® SealPlate® Films

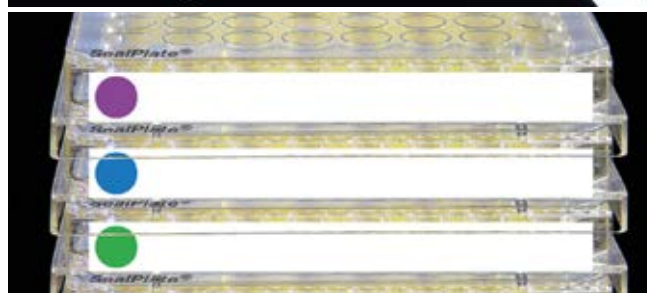
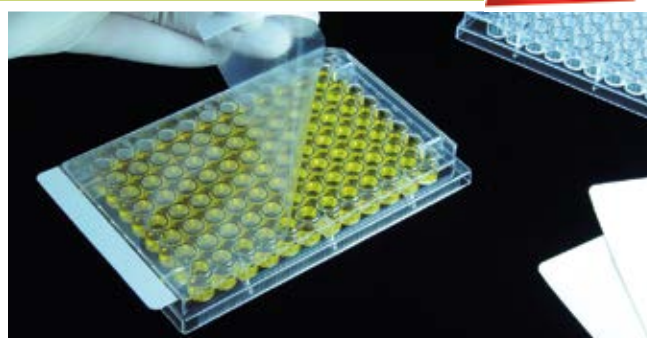


Applications: short-term storage, incubation, ELISA.

- > Made of 50.8 µm polyester
- > Operating temperature: -40 °C to 120 °C
- > For plates without collar
- > Dimensions without tab: 125 x 79.4 mm
- > With two detachable tabs
- > Transparent
- > Minimise evaporation
- > Available with coloured spot

Cat. No.	Colour	Sterile	Units/box	Price/box
760200	Natural	No	100	N/A -
760201	Natural	Yes	100	N/A -
760222	Green	No	100	N/A -
760223	Lavender	No	100	N/A -
760224	Orange	No	100	N/A -
760225	Red	No	100	N/A -
760226	Blue	No	100	N/A -
760227	Assorted	No	5 x 10	N/A -
765272	Natural	No	500*	N/A -

\* Roll Film



STORAGE  
SCREENING

### ClearLine® MiniStrip™ Film 1 x 8



Applications: short-term storage, incubation, ELISA.

- > Made of 50.8 µm polypropylene
- > Operating temperature: -40 °C to +120 °C
- > For 8-tube strips and plates
- > Dimensions without tab: 82.6 x 9.5 mm
- > With two detachable tabs (except roll film)
- > Transparent



Cat.No	Description	Units/box	Price/box
765273	ClearLine® MiniStrip® Film 1 x 8	400	N/A -
765274	ClearLine® MiniStrip® Film 1 x 8 , sterile	400	N/A -



**ClearLine®**

## ClearLine® MiniStrip™ Film, 2 x 8



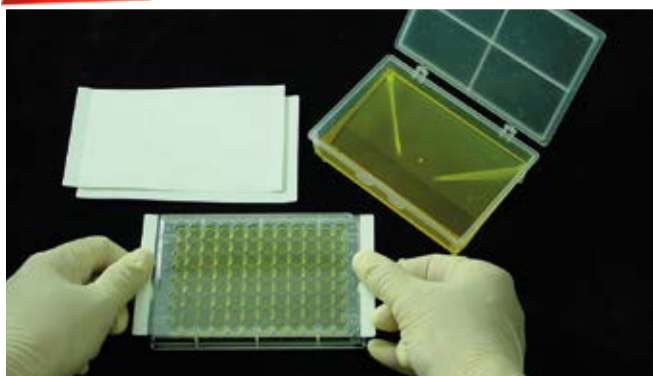
Applications: short-term storage, incubation, ELISA.

- ▶ Made of 50.8 µm polyester
- ▶ Operating temperature: -40 °C to 120 °C
- ▶ For 2 x 8-tube strips and plates
- ▶ Dimensions without tab (mm): 82.6 x 19.1
- ▶ With two detachable tabs
- ▶ Transparent

Cat. No.	Description	Units/box	Price/box
760202	Film 2 x 8 MiniStrip™ ClearLine®	200	N/A -
760203	Film 2 x 8 MiniStrip™ ClearLine® sterile	200	N/A -

**ClearLine®**

## ClearLine® ThinSeal™ Film



Applications: short-term storage, incubation, ELISA.

- ▶ Made of 25.4 µm polyester
- ▶ Operating temperature: -40 °C to 120 °C
- ▶ For plates without collar
- ▶ Dimensions without tab (mm): 121.2 x 79.4
- ▶ With two detachable tabs
- ▶ Transparent
- ▶ Thin film easily pierced with a pipette tip

Cat. No.	Description	Units/box	Price/box
760204	Film ThinSeal™ ClearLine®	100	N/A -
760205	Film ThinSeal™ ClearLine® sterile	100	N/A -

**4titude®**

## Seal 4titude Microplate Film



Applications: short-term storage..

- ▶ Made of polyester
- ▶ Operating temperature: -20 °C to 80 °C
- ▶ Universal
- ▶ Dimension (mm): 130 x 80
- ▶ With two tabs
- ▶ Transparent



Cat. No.	Description	Units/box	Price/box
016510F	Microplate Seal Film	100	N/A -

## Universal film for microplates



- ▶ Universal adhesive film for all brands of microplates
- ▶ Non-toxic
- ▶ Pre-cut in microplate sheet or roll format

Cat. No.	Description	Units/box	Price/box
020100	Pre-cut Adhesive Film	100	N/A -
064031	Pre-cut sterile adhesive film unit pack	50	N/A -

## Dynex M30 Film

High quality universal film for all microplates.

Cat. No.	Description	Units/box	Price/box
047235	Dynex M30 Film	100	N/A -

## Adhesive plastic film



Adhesive film for short term storage or transport.

- ▶ Peelable by hand
- ▶ Drillable
- ▶ Operating temperature: -40 °C to +80 °C

Cat. No.	Description	Units/box	Price/box
016126	Adhesive storage film	100	N/A -



## Pre-drilled films

### ClearLine® X-Pierce™ Film

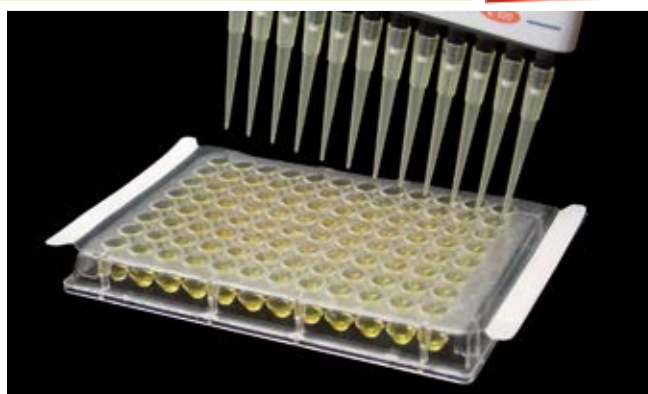
- 89 µm vinyl film with 18 µm adhesive layer
- With pre-cut X for easy piercing of the adhesive with a pipette tip when taking samples
- After sampling and removal of the tip, the "X" closes and the sample is still protected from contamination
- Dimensions: 79.4 x 145.5 mm
- Operating temperature: -40 °C to +90 °C



Cat. No.	Description	Units/box	Price/box
760234	X-Pierce™ Film	100	N/A -
760235	X-Pierce™ Film, sterile	50	N/A -

### ClearLine® EZ-Pierce™ Film

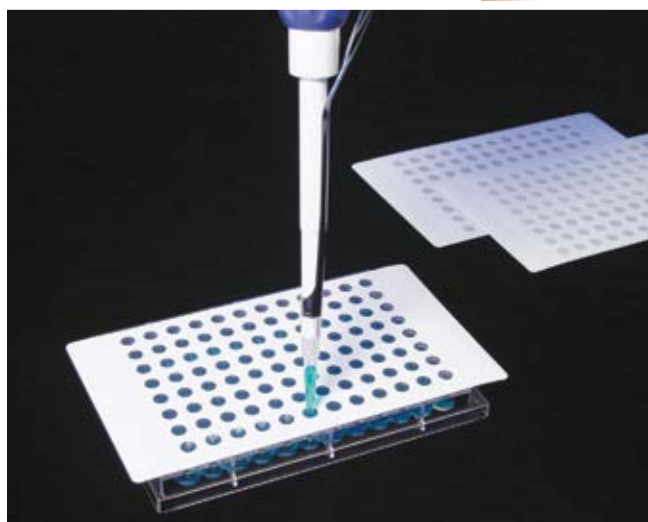
- Easily pierceable film
- Polyethylene film, thickness 70 µm
- Acrylic adhesive
- For direct sample retrieval with single or multi-channel pipette tips or robotic systems
- Dimensions: 82.6 x 146.1 mm
- Can be used from -40 °C to +90 °C



Cat. No.	Description	Units/box	Price/box
760216	EZ-Pierce™ Adhesive Film	100	N/A -
760247	EZ-Pierce™ Adhesive Film sterile	50	N/A -

### ClearLine® Zone-Free™ Film

- Film with polyethylene top layer
- Thickness: 70 µm
- Acrylic adhesive, white polypropylene underlay
- For direct sample retrieval with single or multi-channel pipette tips or robotic systems
- Dimensions: 79.4 x 142.9 mm
- The non-adhesive polyethylene layer prevents adhesive from remaining on the tip and coming into contact with the sample
- For 96-well plate
- Clear area above each well free of adhesive
- With installation tabs
- Inert
- Good chemical resistance
- Can be used from -40 °C to +90 °C



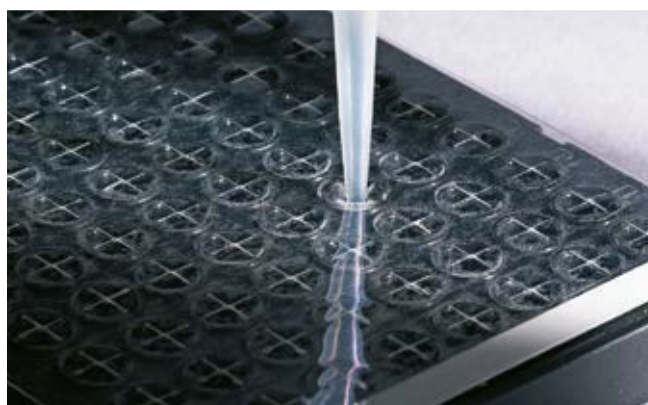
Cat. No.	Description	Units/bag	Units/box	Price/box
760220	Zone-Free™ Adhesive Film	50	50	N/A -

### 4titude Pre-punched peelable adhesive films

Pre-punched transparent polyester adhesive films.

- Peelable, pierceable
- No glue in the pre-drilled areas to prevent clogging of the cones or needles
- Applications: sample handling and collection in 96-well plates
- Not suitable for PCR

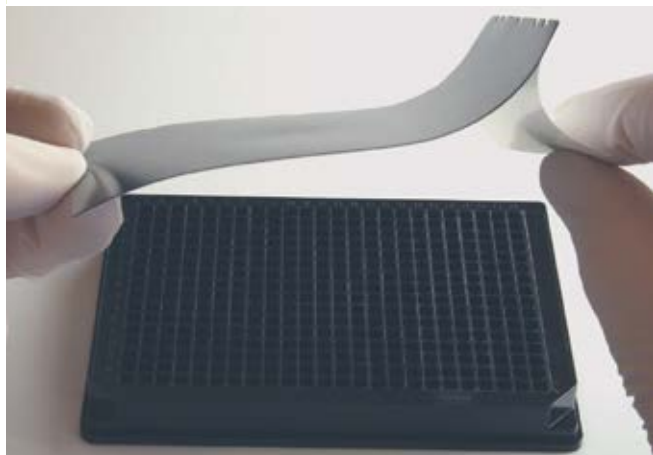
Cat. No.	Description	Operating temperature	Units/box	Price/box
044716	Pre-punched adhesive film for 96-well plates	-20 °C to +110 °C	100	N/A -
045700	Pre-punched adhesive film for 384-well plates	-80 °C to +120 °C	100	N/A -



## Films for Fluorescence

**ClearLine**

### ClearLine® AbsorbMax® and BrightMax® Films



Applications: luorescence, luminescence.

- > In 203.2 µm vinyl
- > Operating temperature: -40 °C to 80 °C
- > Without tab
- > Opaque
- > AbsorbMax: absorbs light, reduces stray light
- > BrightMax: reflects light and increases sensitivity

Cat. No.	Description	Dimensions (mm)	Units/box	Price/box
760241	ClearLine® AbsorbMax® Film for black plate	114.3 x 76.2	100	N/A -
760245	ClearLine® BrightMax® Film for white plate	116.1 x 76.2	100	N/A -

**Thermo** SCIENTIFIC | **nunc**

## Nunc adhesive films



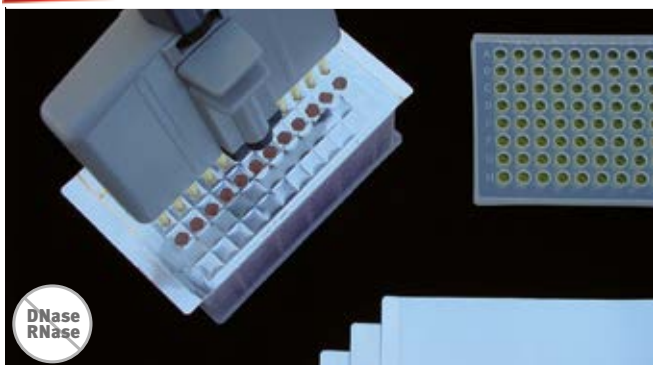
- > Can be used from -40 °C to +80 °C

Cat. No.	DNase RNase free	Applications	Drillable	Colour	Material	Units/box	Price/box
056110	Yes	To be drilled, low autofluorescence	Yes	Transparent	Polyethylene	100	N/A -
056486	No	Opaque film for photosensitive material	No	Black	Vinyl	50	N/A -
056889	No	Luminescence	No	White	Polyester	50	N/A -

## Aluminium films

**ClearLine**

### ClearLine® AlumaSeal II® Film



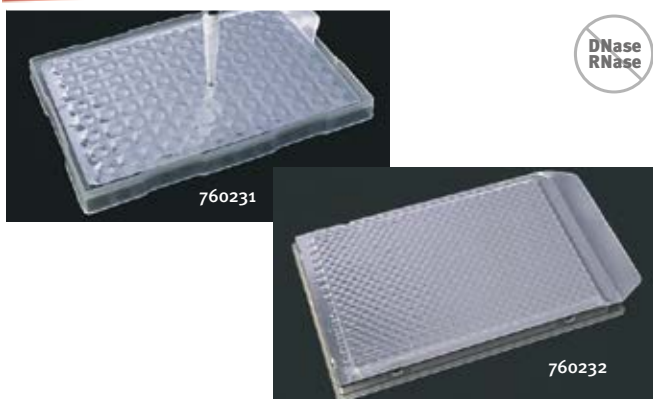
Applications: PCR, long-term storage

- > 35.6 µm aluminium
- > Operating temperature: -80 °C to +120 °C
- > Universal
- > Dimensions without tab: 125.4 x 82.6 mm
- > With two detachable tabs
- > Good chemical resistance
- > Drillable
- > Opaque
- > Does not withdraw into itself

Cat. No.	Description	Units/box	Price/box
760212	ClearLine® AlumaSeal II® Film	100	N/A -
760213	ClearLine® AlumaSeal II® Film, sterile	50	N/A -
765248	ClearLine® AlumaSeal II® Film in 100 m rolls	1	N/A -

**ClearLine**

### ClearLine® AlumaSeal 96® and AlumaSeal 384® Films



Applications: PCR, long-term storage

- > 38.1 µm aluminium
- > Operating temperature: -80 °C to +120 °C
- > With a tab
- > Drillable
- > Opaque
- > Reinforced sealing for 96-well plates

Cat.No	Description	Dimensions (mm)	Units/box	Price/box
760231	ClearLine® AlumaSeal 96® Film for 96-well plate, non-skirted	117.5 x 77.8	100	N/A -
760232	ClearLine® AlumaSeal 384® Film for 384-well plate or Deepwell	123.8 x 82.6	100	N/A -

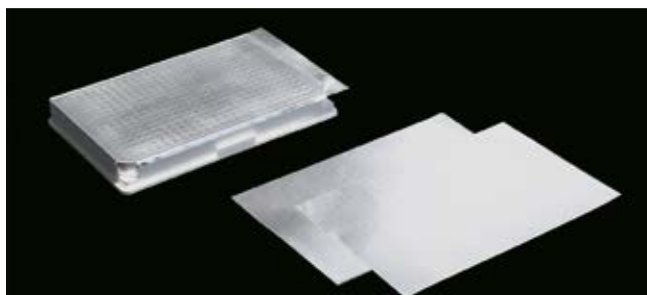
## ClearLine® Alumaseal CS™ Adhesive film for

Application: cold storage of microplates.

- Dimensions: 82.6 x 132.6 mm
- Length without tabs: 123.04 mm
- Withstands down to -80 °C



Cat. No.	Description	Units/ bag	Units/ box	Price/ box
760243	AlumaSeal™ Film CS	100	100	N/A -
760244	AlumaSeal™ Film CS sterile	25	50	N/A -



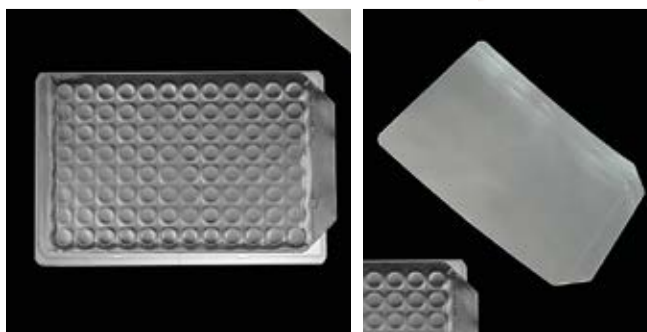
## ClearLine® FoilSeal® Film

Applications: PCR

- 50.8 µm aluminium
- Operating temperature: -20 °C to 120 °C
- Universal
- Dimensions without tab: 118.1 x 78.3 mm
- With a detachable tab
- Drillable
- Opaque



Cat. No.	Description	Units/ box	Price/ box
765282	ClearLine® FoilSeal® Film	100	N/A -
765281	ClearLine® FoilSeal® Film Sterile	50	N/A -



## ClearLine® FoilSeal® Ezcip Film 1 x 8 PCR

Applications: PCR

- 50.8 µm aluminium
- Operating temperature: -20 °C to 120 °C
- For 8-tube strips and plates
- Dimensions without tab: 81.2 x 10.1 mm
- With two detachable tabs
- Drillable
- Opaque



Cat. No.	Description	Units/ box	Price/ box
765268	ClearLine® FoilSeal® Ezcip Film 1 x 8 PCR	100	N/A -



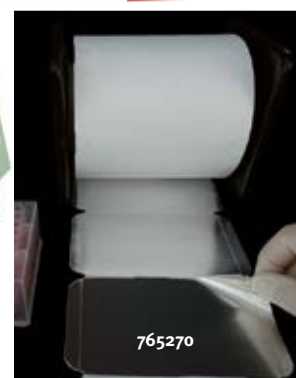
## ClearLine® eXTRreme™ FoilSeal™ Film for PCR

Applications: PCR, long term storage, light sensitive experiments and robotic applications.

- Universal aluminium waterproof film
- Thickness 48 µm
- Dimensions: 78.3 x 129 mm
- Length without tabs: 118.1 mm
- Excellent chemical resistance (including DMSO)
- Temperature: -80 °C to +120 °C
- Drillable with pipette tips and robotic tips
- Removes without leaving a residue
- Single film with one detachable tab, roll film with two detachable placing tabs (width 10 mm)



765266



765270

Cat.No	Description	Dim. (mm)	Units/ box	Price/ box
765266	eXTRreme™ FoilSeal™ Film for PCR	78.3 x 129	100	N/A -
765270	eXTRreme™ FoilSeal™ pFilm roll for PCR	78.3 x 139	500	N/A -





4titude Aluminium Film



Applications: PCR, and storage.

- > In aluminium
- > Operating temperature: -40 °C to +120 °C
- > Dimensions (mm) 130 x 80
- > With two tabs
- > Drillable
- > Opaque



Cat. No.	Description	Units/box	Price/box
016125F	4titude Aluminium film	100	N/A -



4titude Aluminium Film with high solvent resistance



Applications: PCR, storage.

- > In aluminium
- > Operating temperature: -20 °C to +80 °C
- > Dimensions (mm) 122 x 80
- > With two tabs
- > Excellent chemical resistance (including DMSO)



Cat.No	Description	Units/box	Price/box
044766	Aluminium film with high solvent resistance	100	N/A -

Aluminium film for all plates



The most used!  
Universal,  
high resistance

Universal adhesive film made of transparent plastic or aluminium, very high performance, for any standard microplate, PCR plate, storage plate.

- > Very low evaporation
- > Drillable with a tip or pipette
- > 120 x 80 mm (131 x 81.3 mm with tab)
- > Temperature range of -30 °C to +150 °C for aluminium film



Cat. No.	Description	Price 100 units
106570B	Aluminium Adhesive Film	N/A -

STORAGE SCREENING



Nunc Aluminium Films



Applications: PCR and storage

- > Aluminium adhesive films
- > Drillable
- > Non-sterile

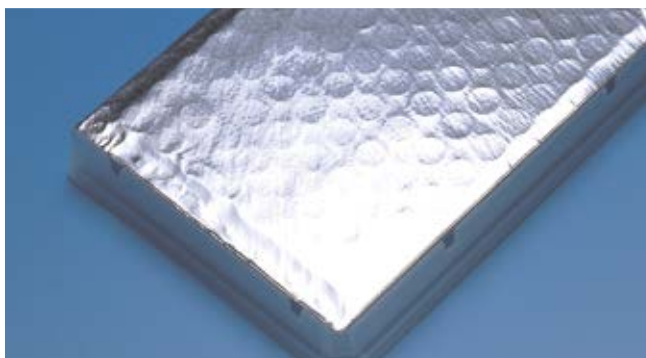


Cat.No	Description	Temperature	Units/box	Price/box
056320	Adhesive Film for 96-well plate	-80 °C to +150 °C	100	N/A -
056321	Adhesive Film for 384-well plate	-80 °C to +150 °C	100	N/A -
056112	Universal adhesive film	-80 °C to +120 °C	100	N/A -

## ABgene® Adhesive films for PCR plates



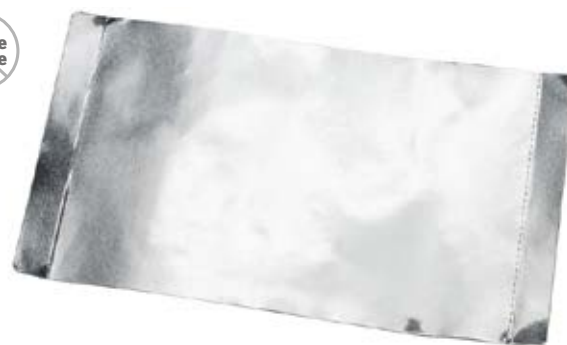
- Clear plastic with strong adhesion: peelable by hand
- Aluminium: peelable or pierceable and non-cutting
- High quality performance minimising any risk of evaporation (especially for low volume PCR)
- Edge tabs for easy removal
- Operating temperature: -20 °C to +120 °C for plastic, and -40 °C to +120 °C for aluminium



Cat. No.	Description	Units/box	Price/box
016028	Transparent PCR film with high adhesion	100	N/A -
016125	PCR aluminium film 130 x 80 mm	100	N/A -
016925	Film Applicator	1	N/A -

## SecureSeal aluminium film for PCR plate

- Operating temperature: -80 °C to +120 °C
- Can be pierced with a pipette tip



Cat. No.	Description	Units/box	Price/box
039367	Non-sterile aluminium Film	100	N/A -

## Nunc lids



Three models:

- Universal lid, without cut-off for all plates;
- Ultra low profile cover with very low height;
- LowBot lid, specifically designed for robotic handling, very flat profile, with short skirt to allow marking on the plate of a barcode without removing the lid.

Cat. No.	Model	Sterile	Compatibility	Pack. unit	Units/box	Price/box
056118	Universal	Yes	All plates	20	60	N/A -
056119	Universal	No	All plates	20	60	N/A -
056121	Universal	No	All plates	20	180	N/A -

STORAGE  
SCREENING

## Plate closing tools



039131

Roll for closing the plates with a plastic or aluminium adhesive film. Width: 10.1 cm.



016006

The Cap-it tool allows clean, contamination-free and fast closure of domed cap strips on microtubes or microplates.



016284



016129

Specially designed for round well storage plates and 1.2 ml transfer tubes. Each cap has a handling tab.

Cat. No.	Description	Units/box	Price/box
016560	Individual caps	960	N/A -
016006	Cap-it closing tool	1	N/A -
016129	8-Cap strips	120 x 8	N/A -
039131	Film roll	1	N/A -

Individual caps for microplates and storage plates (with handling tab).



016560

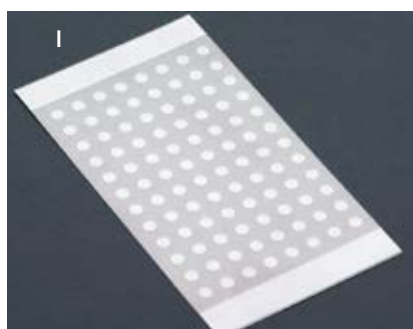
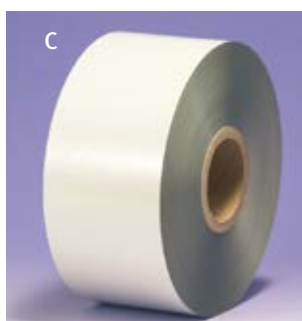
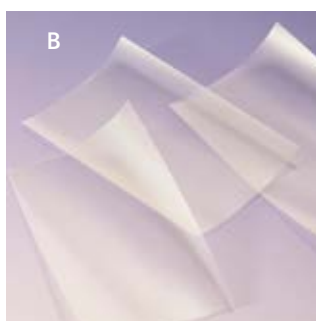
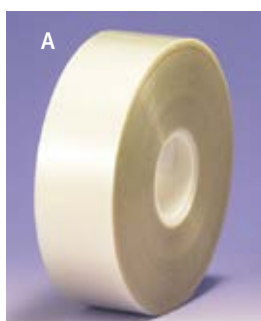
## A4S Automatic sealer without compressor



Automatic, compatible with a very wide range of 96, 384 or storage PCR plates, including 1536 well plates (SBS format).

- ▶ Compact, without compressor
- ▶ Intuitive touchscreen interface with colour display
- ▶ Saving used protocols
- ▶ Adapters for plates included
- ▶ Works with 78 mm wide rolls
- ▶ 2 positions for rollers depending on size and space available
- ▶ Important: Do not seal plates with top flanges, type 4Ti-0730/C, AB-1100 or standard ABI plates (Fast PCR compatible plates)

Weight (kg)	28.54
Dimensions (W x L x H) (mm)	640 x 380 x 400
Voltage	110 - 230 V
Power	750 W
Sealing temperature	120 - 200 °C
Sealing time	0 - 10 s
Cat. No.	448021
Price	N/A -





## Sealing Films and rolls

Cat.No	Photo	Model	Features	Packaging	For	Price
016462F	A	Clear Seal	Optical Film for QPCR	500 m x 78 mm Roll	ALPS 300, 3000 and A4S	N/A -
044770	A		Effective from -80 °C to 80 °C	350 m x 115 mm Roll	Velocity 11 PlateLoc	N/A -
016427F	B		or 110 °C with pressure lid	100 foils	ALPS 50V or Sealer 4S3	N/A -
016276F	A	Clear Weld Seal Mark II	Optical film for QPCR and storage	610 m x 78 mm Roll	ALPS 300, 3000 and A4S	N/A -
044771	A		Effective from -80 °C to 110 °C	500 m x 115 mm Roll	Velocity 11 PlateLoc	N/A -
044720	B		Good resistance to solvents (DMSO)	100 foils	ALPS 50V or Sealer 4S3	N/A -
016274F	A	Clear Seal 3730	To be used with PE, PS and PP plates	610 m x 78 mm Roll	ALPS 300, 3000 and A4S	N/A -
044773	A		Effective from -80 °C to 90 °C or 110 °C with pressure lid - pierceable	500 m x 115 mm Roll	Velocity 11 PlateLoc	N/A -
044772	A		Recommended for the ABI 3730 sequencer	Roll of 1000 pre-cut foils	ALPS 50V or Sealer 4S3	N/A -
016273F	C	Peel Seal	Peelable film for PP plates	600 m x 78 mm Roll	ALPS 300, 3000 and A4S	N/A -
044767	C		Effective from -80 °C to 110 °C	500 m x 115 mm Roll	Velocity 11 PlateLoc	N/A -
016279F	D		For storage and PCR	100 foils	ALPS 50V or Sealer 4S3	N/A -
044777	C	DMSO Resistant Peel Seal	Peelable film for PP plates	500 m x 78 mm Roll	ALPS 300, 3000 and A4S	N/A -
044778	C		Effective from -80 °C to 40 °C - for storage.	500 m x 115 mm Roll	Velocity 11 PlateLoc	N/A -
044779	D		Very good resistance to solvents (DMSO)	Roll of 100 pre-cut foils	ALPS 50V or Sealer 4S3	N/A -
016679F	E	Pierce Seal	Pierceable film for PP plates	610 m x 78 mm Roll	ALPS 300, 3000 and A4S	N/A -
044768	E		Effective from -20 °C to 120 °C	500 m x 115 mm Roll	Velocity 11 PlateLoc	N/A -
016678F	D		Very good resistance to solvents, resealing on itself possible for PCR and storage	100 foils	ALPS 50V or Sealer 4S3	N/A -
016272F	E	Foil Seal	For PP or PS plates - Peelable and pierceable	610 m x 78 mm Roll	ALPS 300, 3000 and A4S	N/A -
044769	E		Effective from -20 °C to 110 °C	500 m x 115 mm Roll	Velocity 11 PlateLoc	N/A -
016278F	D		Good solvent resistance - Resealable on itself possible for PCR and storage	100 foils	ALPS 50V or Sealer 4S3	N/A -
044774	F	Thermal Bond	Peelable, very high sealing efficiency	610 m x 78 mm Roll	ALPS 300, 3000 and A4S	N/A -
016277F	D		High degree of sample protection -20 °C to 110 °C - PCR and long-term storage	100 foils	ALPS 50V or Sealer 4S3	N/A -

## Manual Heat Sealer ALPS 30 ABgene®

- Compact (dimensions: 220 x 250 x 230 mm)
- Lightweight (approx. 4 kg)
- Fast heating: LED indicating sealing temperature
- Ergonomic
- Includes: Deepwell plate adapter, 96-well PCR plate adapter and standard microplate adapter



Cat. No.	Description	Price
017230	Heat sealer ALPS30	N/A -

STORAGE  
SCREENING

## Semi-automatic heat sealer ALPS 50V

- Heat sealer for microplate film
- For low to medium flow applications
- Compact size
- Audible alarm at the end of the sealing process
- Temperature and time setting via touch pad

Welding T° range	125 °C to 200 °C
Operating T°	18 °C to 30 °C
Humidity range	20 to 80 %
Dimensions L x D x H (mm)	220 x 321 x 425
Weight (kg)	7.2
<b>Cat. No.</b>	<b>446879</b>
<b>Price</b>	<b>N/A -</b>



## Automated heat sealer ALPS 5000 for plates



- ▶ Quick sealing
- ▶ Parameterisable for process optimisation
- ▶ Compatible with high performance automated applications
- ▶ Electric drive reduces the risk of contamination and the noise level compared to a pneumatic drive
- ▶ Sealing of plates from 8 to 46 mm high without adapters

Cat. No.	Description	Price
262998	Automatic plate sealer ALPS 5000	N/A -

## Semi-automatic plate sealer Sealbio-2



Semi-automatic sealer with adjustable time and temperature parameters for reproducible sealing. Suitable for many fields and accepts different types of PCR plates, Deepwell, SBS format plates and storage plates.

- ▶ Adjustable temperature: 80 °C - 200 °C (accuracy 1 °C)
- ▶ Automatic counting function
- ▶ Supplied with plate adapters

Sealing temperature	80 °C - 200 °C
Plate height (mm)	9 to 48
Dimensions (mm) / Weight (kg)	370 x 178 x 330 / 9.6
Compatible plate materials	PP/PS/PE
Type of plate compatible	SBS, DeepWell, PCR
Cat. No.	531506
Price	N/A -

thermo scientific

## SuperSealer Matrix heat sealer



- ▶ To seal polypropylene blocks and plates with a mat or film
- ▶ Speed: 0 to 15 seconds per plate
- ▶ Perfect sealing for storage of tubes at -80 °C
- ▶ Dimensions: 16.5 x 31.7 x 34.3 cm

Principle: place the block in the drawer of the appliance, put the mat on the block and close the drawer. The device automatically adjusts to the height of the block and applies the appropriate force to the mat.

Cat. No.	Description	Price
446123	SuperSealer for flexible mat	N/A -

eppendorf

## Eppendorf HeatSealer



- ▶ Adapter for 96-well PCR plates included
- ▶ Ergonomic design for effortless sealing
- ▶ Compact and portable
- ▶ Fully watertight

	S100	S200
Temperature	170 °C	125 °C - 200 °C
Sealing time	-	1 to 9 s
Weight (kg)	4	7.2
Dimensions (mm)	220 x 250 x 230	220 x 321 x 425
Power	320 W	350 W
Cat. No.	999517	999518
Price	N/A -	N/A -

999517

999518

## Films for heat sealer ABgene®



Type	Material of sealing plate	Temperature resistance	Features	Applications	For ALPS			For Manual Heat sealer		
					Roll	Cat.No	Price	Pack	Cat.No	Price
Thermo Seal	PP	-80 °C to 120 °C	<ul style="list-style-type: none"> <li>Polypropylene aluminium laminate</li> <li>Very strong film</li> <li>Peelable with tool (016284)</li> <li>Can be pierced by the cone of a pipette or by the piercing plate 016283</li> <li>Good resistance to DMSO solvents</li> </ul>	<ul style="list-style-type: none"> <li>Long-term storage at low T°</li> <li>Extraction - Grinding</li> </ul>	370 m	016552	N/A -	100 Foils	016277	N/A -
Easy Pierce	PP, PE	-80 °C to 80 °C and up to 120 °C with thermocycler with lid adjustable	<ul style="list-style-type: none"> <li>Aluminium</li> <li>Easily pierced with a pipette cone or peeled off by hand</li> <li>Can be applied on top of an already pierced film (Easy pierce, Easy or Super Pierce Strong)</li> <li>Good resistance to DMSO solvents</li> </ul>	<ul style="list-style-type: none"> <li>Long-term storage at low T°</li> <li>HTS</li> </ul>	610 m	016272	N/A -	100 foils	016278	N/A -
Easy Peel	PP, PE, plates Diamond	-200 °C to 90 °C and up to 120 °C with thermal cycler with lid adjustable	<ul style="list-style-type: none"> <li>PP aluminium laminate</li> <li>Easily peeled by hand</li> <li>Can only be drilled with a tool</li> <li>Good resistance to solvents and DMSO only at low temperatures</li> </ul>	<ul style="list-style-type: none"> <li>Long-term storage at very low T° (-200 °C)</li> <li>Transport</li> <li>PCR with thermal cycler with adjustable lid only</li> </ul>	610 m	016273	N/A -	100 foils	016279	N/A -
Clear Seal 3730	PP, PS, PE	-80 °C to 80 °C and up to 120 °C With thermocycler With lid adjustable	<ul style="list-style-type: none"> <li>Transparent</li> <li>Easily peeled by hand</li> <li>Drillable</li> <li>Good resistance to solvents</li> </ul>	<ul style="list-style-type: none"> <li>For use with the ABI 3730 sequencer</li> </ul>	610 m	016274	N/A -	roll pre-drilled 1000 foils	016582	N/A -
Clear Seal Diamond	PP, PS, PE, Plates Diamond	-80 °C to 120 °C	<ul style="list-style-type: none"> <li>Transparent</li> <li>Optically clear</li> <li>Can only be drilled with a tool</li> <li>Good resistance to solvents</li> <li>Peelable</li> </ul>	<ul style="list-style-type: none"> <li>To seal the PCR plates ThermoFast® 384 Diamond</li> <li>PCR and QPCR with thermal cycler with adjustable lid only</li> <li>Detection / fluorescence or colorimetry</li> </ul>	370 m	016462	N/A -	100 foils	016427	N/A -
Easy Pierce 20 µm	PP, PE	-80 °C to 80 °C and up to 120 °C with thermocycler with lid adjustable	<ul style="list-style-type: none"> <li>Aluminium</li> <li>Very easy to drill</li> <li>Good Solvent resistance DMSO</li> <li>Peelable if applied as 2<sup>nd</sup> coat</li> </ul>	<ul style="list-style-type: none"> <li>Long-term storage and transport</li> <li>High T° application</li> <li>HTS</li> <li>Robotic system and injector: easily pierced without leaving a sticky residue</li> </ul>	610 m	016679	N/A -	100 foils	016678	N/A -
Clear Seal Strong	PP	-80 °C to 120 °C	<ul style="list-style-type: none"> <li>Transparent, laminated polyester/polypropylene</li> <li>Very strong permanent film</li> <li>Neither peelable nor pierceable</li> <li>Optically clear</li> <li>Good Solvent resistance DMSO</li> </ul>	<ul style="list-style-type: none"> <li>Transport</li> <li>Detection method by fluorescence or colorimetry</li> <li>Storage/reading of radioactive or dangerous products</li> <li>PCR and QPCR</li> </ul>	610 m	016276	N/A -	-	-	-

STORAGE SCREENING



## Heat seal foils for microplates



Colour coded for identification.

Thickness	20 µm	38 µm	70 µm	85 µm
Peelability	Easily peelable	Easily peelable	Non pelable on PE	Difficult
Perceivability	Easily pierceable	Easily pierceable	Pierceable	Pierceable
Operating T°	-80 °C to +80 °C	-80 °C to +80 °C	-200 °C to +90 °C	-80 °C to +120 °C
Resistant with DMSO	At Room T° and below	At Room T° and below	AT 4 °C and below	At Room T° and below
Type of plate	PP or PE	PP or PE	PP or PE	PP
Colour code	Green	Blue	Red	Blackr
Cat. No.	444000	444001	444002	444003
Price. 100 units	N/A -	N/A -	N/A -	N/A -

## Micro TS Manual Heat Sealer

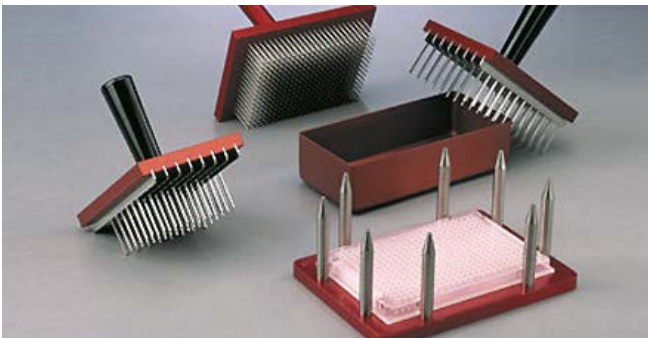


Heat sealer for sealing 96/384 PCR plates and DeepWell plates. Compatible with a wide range of storage plates and deepwells.

- Compact, easy to use, reproducible
- Heating time < 10 minutes, pre-programmed temperature 170 °C
- Supplied without adapter, to be completed

Cat. No.	Description	Price
058102B	Manual Sealer Micro TS Heat Sealer	N/A -

## Replicators for microplates

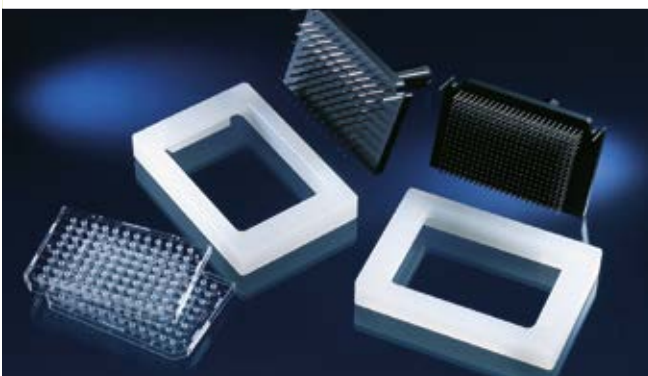


- Stainless steel tips
- Autoclavables, Flame sterilisable
- Cost-effective substitute for robotic devices

Cat.No	L x W x H (mm)	Number pins	Pin length (cm)	Pin size (mm)	Pin design	Price
215000	128 x 85 x 123	384	2.2	∅ 0.19	Flat, square	N/A -
215001	110 x 76 x 110	96	2.54	1.55 x 1.55	Flat, square	N/A -
215002	110 x 76 x 110	48	2.54	1.55 x 1.55	Flat, square	N/A -

Thermo SCIENTIFIC | nunc

## Nunc replication system



For transferring 96 or 384 plates to nylon membrane. The Nunc replication system allows the transfer or replication of bacterial cultures on membranes from 96 or 384 well plates, thanks to a stainless steel pinned replicator.

Cat. No.	Description	Units/box	Price/box
055340	96-pin replicator	1	N/A -
055341	384-pin replicator	1	N/A -
055048	Omnitray Sterile plates	60	N/A -

## Greiner Bio-One CrystalQuick 96-well plates for crystallography

Polystyrene 96-well plate for protein crystallography. Designed for robotic use in HTS, for the study of recombinant proteins under various parameterised conditions of pH, temperature and vapour pressure.

- **Standard Microplate format**
- **Well Depth: 11 mm**

Cat. No.	Wells	Bottom	Treated	Units/ bag	Units/ box	Price/ box
609171	Square low profile	Flat	No	20	80	N/A -
609120*	Round	U	No	10	40	N/A -
609101*	Square	Flat	No	10	40	N/A -
609130*	Square**	Flat	Hydrophobe	10	40	N/A -
609180	Square**	Flat	Hydrophobe	20	80	N/A -

\* 288 (96 x 3) wells \*\* Suitable for membrane proteins

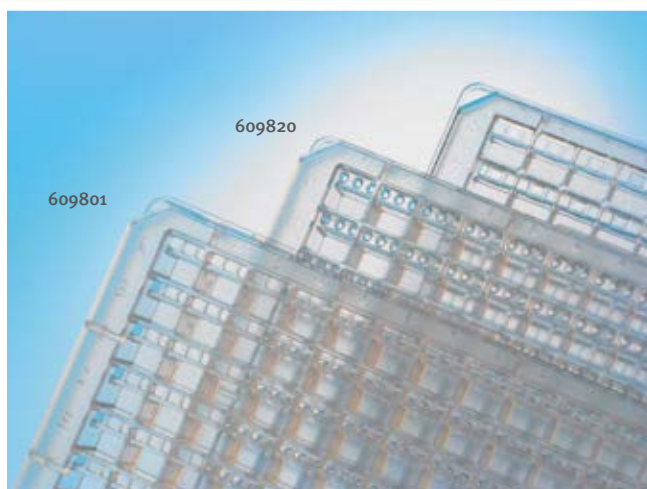


## Greiner Bio-One CrystalQuick LBR Plates

- **LBR (Low BiRefringence) crystallisation plates made of polyelofine for polarised and UV light**
- **Suitable for seated drop applications**
- **very low birefringence of polyelofine compared to polystyrene**
- **Possibility of obtaining them with a barcode (consult us)**
- **High transparency, very good chemical resistance, low water absorption**
- **Each well has 3 internal microwells, increasing the plate's capabilities to 288 crystallisation options (except Cat. No. 609871)**
- **With square or round wells**
- **L x W x H (mm): 127.76 x 85.48 x 14.4**
- **3 x 1.9 µl round wells or 3 x 4 µl square wells per tank**
- **Can be used in robotic systems**

Cat. No.	Number wells	Well shape	Bottom	Units/ bag	Units/ box	Price/ box
609801	96	Square	Flat	10	40	N/A -
609820	96	Round	Round	10	40	N/A -
609871*	96	Square	Flat	20	80	N/A -

\* Low Profile



## Greiner Bio-One Terasaki 60 and 72 well Plates

- **Used for microbatch crystallography**
- **Conical well geometry for centrally located crystallization drop**
- **Flat bottom for optimal tracking**
- **The edge of the plates allows the wells to be filled with oil at the same time**
- **Dimensions: 83.3 x 58 x 11 mm**
- **Reduced storage space**
- **Supplied with cap**
- **Treated surface available: consult us**

Cat. No.	Description	Units/ bag	Units/ box	Price/ box
653102	Terasaki 60 conical well plate + lid	10	580	N/A -
654102	Terasaki 72 conical well plate + lid	10	270	N/A -

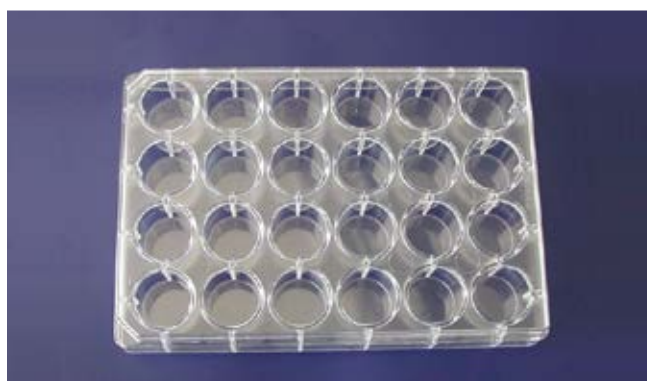


## Greiner Bio-One ComboPlate™ 24-well Crystallization Plates

Crystallization plate for proteins in sitting or hanging drops.

- **SBS standards, compatible with robots**
- **Well Volume: 3 ml**
- **Well diameter 18 mm**

Cat. No.	Description	Units/ bag	Units/ box	Price/ box
662150	ComboPlate crystallization plate 24 well with lid	6	24	N/A -
662050	ComboPlate crystallization plate pre-greased 24 wells with lid	6	24	N/A -
501870	Silanised coverslips ø 18 mm	100	100	N/A -
503870	Silanised coverslips ø 22 mm	-	100	N/A -



Crystalgen™ 24-well Plates



Available in pre-greased version

- ▶ For the suspended drop crystallisation technique during the condensation phase
- ▶ For use with silicone coated round or square coverslips
- ▶ Ultra transparent polystyrene
- ▶ Well volume: 3.5 ml
- ▶ Plate dimensions: 150 x 108 x 22 mm
- ▶ Well dimensions: 17 x 16 mm
- ▶ For pre-greased plates, the grease is applied using a patented procedure to the raised flanges of the plates: ensures a better seal of the plates with the coverslips
- ▶ With raised flange for a better seal of the coverslips

Cat.No	Wells	Pack. unit	Units/ box	Price/ box
051900	24-Well Plate Crystalgen™	1	100	N/A -
051901	24-Well Plate Crystalgen™	1	20	N/A -
051902	24-Well Plate pre-greased Crystalgen™	1	100	N/A -
051903	24-Well Plate pre-greased Crystalgen™	1	20	N/A -



TECAN Tips for automatons

	Tecan Standard	Tecan Pure	Tecan Sterile
Areas of application	ELISA Sample handling Biochemical Screening	Research in Genomics Forensics Molecular Diagnostics	Cell biology Microbiology Cellular screening
Tecan Standard Purity	✓	✓	✓
Human DNA free	-	✓	✓
PCR inhibitor free	-	✓	-
RNase/DNase free	-	✓	✓
Endotoxin and apyrogen free	-	-	✓
Sterile	-	-	✓

- ▶ Reliable cone pick-up
- ▶ Technical support available
- ▶ Tips manufactured under quality control to Tecan specifications
- ▶ Colour-coded racks for different volumes, completely integrated with the software for easier visual identification on the workbench
- ▶ Increased flow rates, autonomy and flexibility of the system thanks to stackable and SBS formats

Arm Tips iHa

		Standard				Pure				Sterile	
		10 x 10 x 96		18 x 10 x 96		24 x 96		24 x 96		40 x 96	
Volume	Filter	Standard rack				Standard rack		Refill for SBS rack		SBS rack cones + holder	
		Cat.No	Price	Cat.No	Price	Cat.No	Price	Cat.No	Price	Cat.No	Price
10 µl	No	-	-	-	-	30104803	N/A -	30104973	N/A -	30104975	N/A -
	Yes	-	-	-	-	30104804	N/A -	30104974	N/A -	30104976	N/A -
10 µl nested	No	-	-	-	-	-	-	30104977**	N/A -	-	-
	Yes	-	-	-	-	-	-	30104978**	N/A -	30104979**	N/A -
50 µl	No	-	-	-	-	30032115	N/A -	30057811	N/A -	30057818	N/A -
	Yes	-	-	-	-	30032114	N/A -	30057813	N/A -	30057819	N/A -
200 µl	No	-	-	10612552	N/A -	30000627	N/A -	30057814	N/A -	30057820	N/A -
	Yes	-	-	10612553	N/A -	30000629	N/A -	30057815	N/A -	30057821	N/A -
1000 µl	No	10612554	N/A -	-	-	30000630	N/A -	30057816	N/A -	30057822	N/A -
	Yes	10612555	N/A -	-	-	30000631	N/A -	30057817	N/A -	30057823	N/A -
5000 µl	No	-	-	-	-	30059897*	N/A -	-	-	-	-
	Yes	-	-	-	-	30065423*	N/A -	-	-	-	-

\* contains 10 x 24 cones \*\* 16 x 5 rounds of 96 tips  
Empty SBS racks: 30058506 (for 50 µl and 200 µl refills); 30058507 (for 1000 µl refills)

Stackable racked tips for LiHa arms

Stacking of 5 racks of 96 pins, increases the capacity of the automat. Empty racks can be removed and discarded using a RoMa robotic arm or an MCA gripper module.



Allow the pipetting arm to pick up an empty rack and discard it without the need for a gripper module. Easily configurable functions via the Freedom EVOware interface.

Cat. No.	Description	Price 112 units
30083403	Transfer tools for stackable tip racks	N/A -

		Pure		Sterile	
		16 x 5 x 96		16 x 5 x 96	
Volume	Filter	Cat. No.	Price	Cat. No.	Price
350 µl	No	30083400	N/A -	30083401	N/A -



**MCA 96 multi-channel arm tips**

Vol.	Filter	Pure						Sterile			
		40 x 96		5 x 8 x 96		8 x 10 x 96		40 x 96		5 x 8 x 96	
		SBS Rack		SBS Stackable		For Te-Stack		SBS Rack		SBS Stackable	
		Cat.No	Price	Cat.No	Price	Cat.No	Price	Cat.No	Price	Cat.No	Price
50 µl	No	30038606	N/A -	30038609	N/A -	30038610	N/A -	30038607	N/A -	30048822	N/A -
	Yes	-	-	-	-	-	-	30038608	N/A -	-	-
100 µl	No	30038611	N/A -	30038614	N/A -	-	-	30038612	N/A -	30048823	N/A -
	Yes	-	-	-	-	-	-	30038613	N/A -	-	-
200 µl	No	30038616	N/A -	30038619	N/A -	30038620	N/A -	30038617	N/A -	30048824	N/A -
	Yes	-	-	-	-	-	-	30038618*	N/A -	-	-
200 µl wide opening	No	30050348	N/A -	-	-	-	-	30050349*	N/A -	-	-
	Yes	-	-	-	-	-	-	-	-	-	-
500 µl	No	30046341**	N/A -	-	-	-	-	-	-	-	-
	Yes	-	-	-	-	-	-	30046342***	N/A -	-	-



SBS Stackable

\* Max. pipetting volume: 150 µl / \*\*Max. volume for MCA96: 200 µl / \*\*\* Max. pipetting volume: 400 µl

**MCA 384 multi-channel arm tips**



**Tips for TeMo and Aquarius**

Volume	Filter	Pure		Sterile	
		50 x 96			
		Racks not compatible with SBS format			
		Cat. No.	Price	Cat. No.	Price
50 µl	No	10612343	N/A -	-	-
	Yes	-	-	-	-
100 µl	No	10612345	N/A -	10612346	N/A -
	Yes	-	-	10612347	N/A -
200 µl	No	10612340	N/A -	10612341	N/A -
	Yes	-	-	10612342*	N/A -

\* Max. pipetting volume: 150 µl

Volume	Filter	Pure		Sterile	
		40 x 384			
		Cat. No.	Price	Cat. No.	Price
15 µl	No	-	-	30051803	N/A -
	Yes	-	-	30051804	N/A -
50 µl	No	-	-	30051806	N/A -
	Yes	-	-	30051807	N/A -
125 µl	Yes	-	-	30051810	N/A -
500 µl	No	30046341**	N/A -	-	-
	Yes	-	-	30046342***	N/A -

\* Max pipetting volume with filters: 14.5 µl, 40 µl, 110 µl  
 \*\* The max. volume of 500 µl is only available with the 4 to 1 adapter (EVA - Extended Volume Adapter)  
 \*\*\* Max pipetting volume: 400 µl

STORAGE SCREENING

**Reagent trays for LiHa pipetting arm**

Colour	Lid	25 ml			100 ml			200 ml		
		Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
Grey	No	30055743*	120	N/A -	10613049	108	N/A -	-	-	-
	Yes	-	-	-	10613048	108	N/A -	10760646	32	N/A -
Transparent	No	-	-	-	-	-	-	-	-	-
	Yes	10520629	100	N/A -	-	-	-	-	-	-

\*Low dead volume  
 Lids only: 10612548 (8 holes, black, for 25 and 100 ml containers); 10613102 (solid, transparent, for 25 ml containers)

**Reagent trays for multichannel arm**

Colour	System	125 ml			200 ml			250 ml		
		Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
Transparent	96-channel	10619196	50	N/A -	-	-	-	10619191	50	N/A -
	384-channel	-	-	-	10619686	50	N/A -	-	-	-

\*Low dead volume  
 Lids only: 10612548 (8 holes, black, for 25 and 100 ml containers); 10613102 (solid, transparent, for 25 ml containers)

**Disposable reagent containers for all TECAN arms (LiHa, MCA 96, MCA 384, and FCA)**

Cat. No.	Description	Units/box	Price/box
30077312	SBS disposable reservoir 300 ml flat bottom	40	N/A -
30077313	Disposable SBS reservoir 300 ml conical bottom	40	N/A -

Hamilton CO-RE Tips for STARLINE and NIMBUS robots



NTR 20 x 96 tips



Blister 5 x 96 tips

- > Polypropylene tips with or without filter
- > Polyethylene filter
- > Black conductive tips, transparent non-conductive tips (except 235965)
- > Certified "tested organic purity"
- > CO-RE (Compressed O-Ring Expansion) technology: each tip has an internal O-Ring groove
- > Packaging:
  - in blister packs (5 trays of 24 or 96 tips packed in blister packs)
  - NTR Pack: Nested Tip Rack 20 x 96 (or 20 x 384): 5 rows of 4 racks stacked on a disposable frame
  - 1T Tray: individual 4-point chargers
- > Traceability:
  - barcode (code 128 subset B or C) on each sub-package (of 4, 24, 96 or 384)
  - unique identification number, batch number, product number, date of manufacture and tip volume
  - 5 colours of matching barcodes



Head tips CO-RE 96

Volume (µl)	Length (mm)	Ø Int. (mm)	Colour	Packaging	Tips/box	Sterile with filter		Non sterile with filter		Sterile without filter		Non sterile without filter	
						Cat.No	Price	Cat.No	Price	Cat.No	Price	Cat.No	Price
0.5 - 10	29.9	0.3	Black	12 blisters (5 x 96)	5760	235936	N/A -	235901	N/A -	235935	N/A -	235900	N/A -
				6 packs NTR( 20 x 96)	11520	-	-	-	-	-	235949	N/A -	
0.5 - 50	50.4	0.4	Black	12 blisters (5 x 96)	5760	235979	N/A -	235948	N/A -	235978	N/A -	235966	N/A -
				6 packs NTR( 20 x 96)	11520	-	-	-	-	235987	N/A -	235947	N/A -
10 - 300	59.9	0.4	Black	12 blisters (5 x 96)	5760	235938	N/A -	235903	N/A -	235937	N/A -	235902	N/A -
				6 packs NTR( 20 x 96)	11520	-	-	-	-	235985	N/A -	235950	N/A -
				-	-	-	-	-	-	235965*	N/A -		
10 - 300	95 (thin)	0.4	Black	8 blisters (5 x 96)	3840	235646	N/A -	235647	N/A -	235648	N/A -	235806	N/A -
10 - 1000	95.1	0.7	Black	8 blisters (5 x 96)	3840	235940	N/A -	235905	N/A -	235939	N/A -	235904	N/A -

\* The tip D235965 (10 - 300 µl, natural colour) is conductive

Special "wide bore tips" for CO-RE 96 head



235452 y 235688

235541 y 235444

Volume (µl)	Length (mm)	Ø Int. (mm)	Colour	Packaging	Tips/box	Sterile with filter		Non-sterile with filter		Sterile without filter		Non sterile without filter	
						Cat.No	Price	Cat.No	Price	Cat.No	Price	Cat.No	Price
10 - 300	52.2	0.71	Black	12 blisters (5 x 96)	5760	-	-	235452	N/A -	-	-	235688	N/A -
10 - 300	51.6	1.55	Black	12 blisters (5 x 96)	5760	-	-	235449	N/A -	-	-	235451	N/A -
10 - 1000	91.8	1.2	Black	8 blisters (5 x 96)	3840	235677	N/A -	235678	N/A -	-	-	235679	N/A -
10 - 1000	80.1	3.2	Black	8 blisters (5 x 96)	3840	-	-	235541	N/A -	-	-	235444	N/A -

Special piercing tips for CO-RE 96 head



Piercing tip

Volume (µl)	Length (mm)	Ø Int. (mm)	Colour	Packaging	Tips / box	Sterile with filter		Non sterile with filter		Sterile without filter		Non sterile without filter	
						Cat.No	Price	Cat.No	Price	Cat.No	Price	Cat.No	Price
2 - 150	65.0	0.4	Black	8 blisters (5 x 96)	5760	235649	N/A -	235658	N/A -	-	-	-	-
2 - 250						-	-	-	235659	N/A -	235805	N/A -	

Head tips CO-RE 384

Volume (µl)	Length (mm)	Ø Int. (mm)	Colour	Packaging	Tips per box	Sterile without filter		Non sterile without filter	
						Cat.No	Price	Cat.No	Price
0.5 - 50	39.5	0.4	Black	1 NTR (20 x 384)	7680	235694	N/A -	235989	N/A -
				1 NTR (20 x 96)	1920	235695	N/A -	235993	N/A -
			Natural	1 NTR (20 x 384)	7680	-	-	235446	N/A -
				1 NTR (20 x 96)	1920	-	-	235447	N/A -

## Special 4-in-1 "Rocket Tips" for CO-RE 384 head

Sold in trays of 96, but each tip containing 4 compartments.  
Designed for 384 channel heads.

235974



Volume (µl)	Length (mm)	Ø Internal (mm)	Colour	Packaging	Tips/box	Non sterile without filter	
						Cat.No	Price
2 - 300 µl	70.1	0.9	Black	10 Blister (5 x 96)	4800	235974	N/A -

## CO-RE Extra large tips 4 and 5 ml



Volume (µl)	Length (mm)	Ø Int. (mm)	Colour	Packaging	Tips/box	Sterile with filter		Non sterile with filter		Sterile without filter		Non sterile without filter	
						Cat.No	Price	Cat.No	Price	Cat.No	Price	Cat.No	Price
5 - 4000	118	1.05	Black	6 blisters (5 x 24)	720	184023	N/A -	184021	N/A -	-	-	-	-
5 - 5000						-	-	-	184022	N/A -	184020	N/A -	
5 - 4000	118	1.05	Black	24 Tray 1T (24 x 4)	96	-	-	194053	N/A -	-	-	-	-
5 - 5000						-	-	-	-	-	-	194050	N/A -

## Hamilton® AutoLys Tubes



- Storage tubes designed to automate lysis steps for forensic, genomic, clinical or food analysis
- 2 in 1: a filter tube into which the sample is placed, and a second tube (barcoded) into which the DNA is collected
- Lysis and separation of secure samples in one tube
- Traceability: 2D barcode on each tube
- Screw cap, with lift-lock closure
- Compatible with the Hamilton Microlab AutoLys STAR robot
- Time saving
- Minimised evaporation
- Centrifugal



Cat. No.	Description	Cap colour	Units/box	Price/box
235542	AutoLys A tube for automated processes	Orange	10 bags of 25	N/A -
235478	AutoLys A tube for automated processes	Orange	5 bags of 100	N/A -

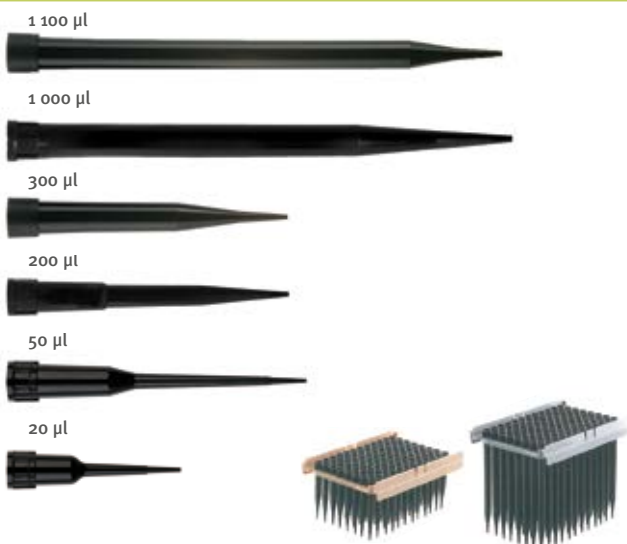
STORAGE SCREENING

## Robotic tips for Tecan® and Qiagen®

Fine tips made of natural clear polypropylene or black conductive graphite specifically for Tecan® et Qiagen® robots

- In bulk or on a rack with a tray that can be loaded directly onto the machine
- Very high quality, precision and reproducibility

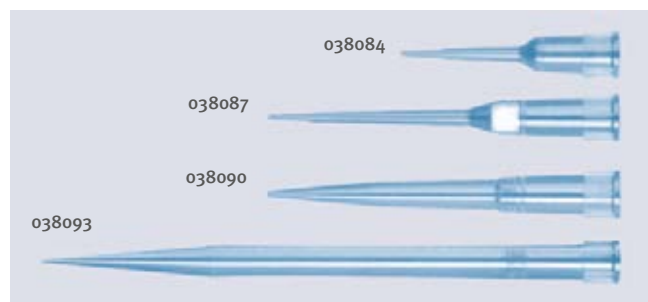
Colour	Volume	Pack.	Bulk	Price per sachet	On 96 rack	Price the 5 x 2 racks
<b>For TECAN</b>						
Black graphite	20 µl	960	-	-	071300	N/A -
Natural PP	50 µl	960	-	-	071310	N/A -
Black graphite	50 µl	960	-	-	071306	N/A -
Natural PP	200 µl	960	-	-	071324	N/A -
Black graphite	200 µl	960	-	-	071314	N/A -
Black graphite	1 000 µl	960	-	-	071317	N/A -
<b>For QIAGEN</b>						
Black graphite	300 µl	960	071321	N/A -	071320	N/A -
Black graphite	1 100 µl	960	071323	N/A -	071322	N/A -





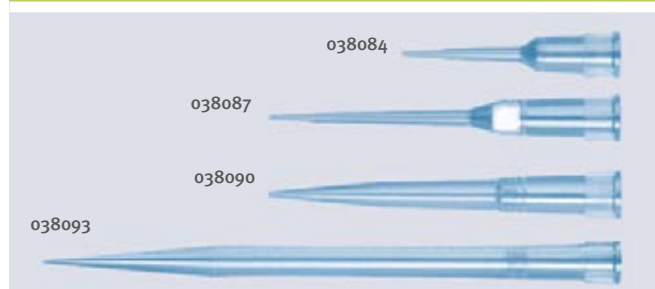
## Tips for Tecan®

Clear natural polypropylene or black graphite conductive tips for Tecan® robots, models Genesis, Freedom Evo, MiniPrep, Carvro. In 96-tip rack.

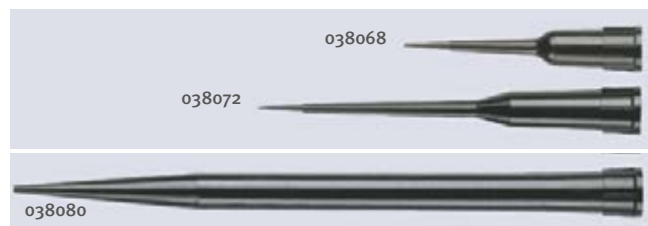


Volume	PP Clear tips			Black conductive graphite tips				Genomic black graphite tips (large hole)		
	Non-sterile	Sterile	Sterile with filter	Non-sterile	Non-sterile	Sterile	Sterile with filter	Non-sterile	Sterile	Sterile with filter
20 µl	038085	038084	038086	038069	038070	038068	038071	-	-	-
50 µl	038088	038087	038089	038073	038074	038072	038075	-	-	-
200 µl	038091	038090	038092	038077	038078	038076	038079	038299	038300	038200
1000 µl	038094	038093	038095	038081	038082	038080	038083	038202	038201	038203
<b>Packaging unit</b>	10 x 96	10 x 96	10 x 96	10 x 96	50 x 96	10 x 96	10 x 96	10 x 96	10 x 96	10 x 96
<b>Price</b>	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

## Tips for Perkin Elmer/Packard® Multiprobe II HT and Multiprobe II HT EX



Clear natural polypropylene tips or black graphite conductive tips. In 96-tip rack.



Volume	PP Clear tips			Black conductive graphite tips			
	Non-sterile	Sterile	Sterile with filter	Non-sterile	Non-sterile	Sterile	Sterile with filter
20 µl	038085	038084	038086	038069	038070	038068	038071
50 µl	038088	038087	038089	038073	038074	038072	038075
200 µl	038091	038090	038092	038077	038078	038076	038079
1000 µl	038094	038093	038095	038081	038082	038080	038083
<b>Packaging unit</b>	10 x 96	10 x 96	10 x 96	10 x 96	50 x 96	10 x 96	10 x 96
<b>Price</b>	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

## What is the advantage of black conductive graphite tips?

The black tips are made of special resin impregnated with carbon. They are sensitive to liquid. The robotic station receives a signal as soon as the tip is in contact with a liquid: it can start suctioning.

## Tips for Zymark® automate



Made of clear polypropylene, specially designed for the Zymark® Rapid Plate 96 and 96/384 robotic systems

Cat.No	Volume (µl)	Type	Units/box	Price/box
077253	100	Tips, in bulk	1000	N/A -
077001	100	Tips, in 96-tip racks	10 x 96	N/A -
077002	100	Sterile tips on 96-tip racks	10 x 96	N/A -
077003	200	Tips, in bulk	1000	N/A -
077004	200	Tips, in 96-tip racks	10 x 96	N/A -
077005	200	Sterile tips on 96-tip racks	10 x 96	N/A -
077006	80	Filter Sterile tips on 96-tip racks	10 x 96	N/A -
077007	150	Filter Sterile tips on 96-tip racks	10 x 96	N/A -



**Attention** No cryotube is intended to be immersed directly in the liquid phase of liquid nitrogen, but only for storage in the gas phase of nitrogen.

If liquid nitrogen were to enter the tube, there would be a risk of explosion due to the pressure generated by the passage of nitrogen from the liquid phase to the gas phase during the removal and/or thawing of the tubes.

## ClearLine® 1D barcode cryotubes



### ClearLine® Quality

- » Made of medical grade virgin polypropylene
- » Can be used down to -196 °C
- » ATP-free
- » USP Class VI (non-cytotoxic and non-haemolytic)
- » Sterilised by Beta rays, SAL 10<sup>-6</sup>



- » Bi-injected screw, plastic and silicone: no risk of leakage and contamination - excellent grip for screwing and unscrewing the cryotube
- » Star cap design on the top, for use with automatic cappers/decappers
- » Printed graduations, with writing area
- » Supplied with a pre-printed random barcode
- » Bottom to lock into polycarbonate racks (skirted bottom tubes only)
- » Autoclavable (open) with steam at 121 °C for 20 minutes.

### Cryotubes with external thread and caps



Volume (ml)	Skirt	Cryotubes with natural cap	Price 50 units
1	Yes	390700	N/A -
2	Yes	390701	N/A -
2	No	390702	N/A -
3	Yes	390703	N/A -
4	Yes	390704	N/A -
5	Yes	390705	N/A -

### Cryotubes with internal thread and caps



Volume (ml)	Skirt	Cryotubes with natural cap	Price 50 units
1	Yes	390706	N/A -
2	Yes	390708	N/A -
2	No	390707	N/A -
4	Yes	390710	N/A -
4	No	390709	N/A -
5	Yes	390712	N/A -
5	No	390711	N/A -

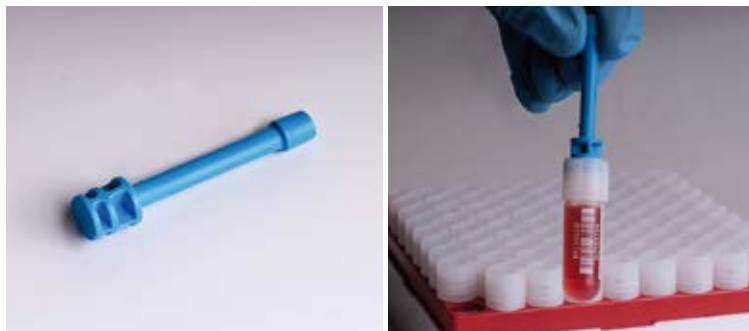
**Attention:** ClearLine® cryotubes are not intended to be immersed in the liquid phase of liquid nitrogen, but to be stored in its gas phase. There is a risk of the cryotube exploding if liquid nitrogen enters the tube during immersion.

### Coloured inserts for cap

Blue	White	Yellow	Violet	Red	Green	Price 100 units	Assorted	Price 6 x 100
390741A	390742A	390743A	390789A	390745A	390746A	N/A -	390802A	N/A -

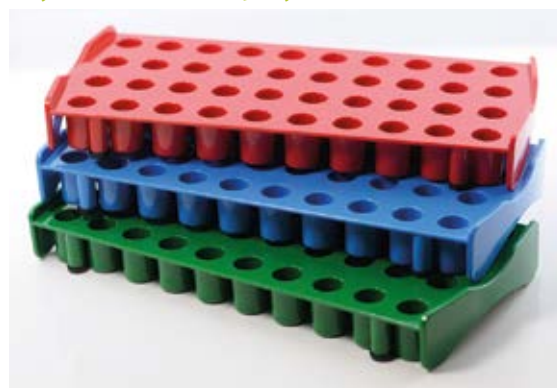
### Vial pickers

Facilitates the removal of cryotubes from their boxes.



Cat.No	Description	Units/box	Price/box
390784	Vial picker for cryotubes	100	N/A -
390784A	Vial picker for cryotubes	10	N/A -

### Polycarbonate racks for 40 cryotubes



- » Autoclavable
- » L x W x H: 215 x 100 x 25 mm
- » Bottom allowing the tube to be locked in the rack

Blue	Red	Green	Price
390494	390495	390496	N/A -



CryoGen® Storage Box with Barcode

ClearLine® Polycarbonate boxes for cryotubes storage

- > Polycarbonate box, grid and lid
- > Transparent cover, with digital marking of each slot
- > Available for all ClearLine® cryotube volumes, in:
  - to accommodate 25 and 81 tubes: coloured grid, white bottom
  - to accommodate 100 tubes: white bottom with pins
- > Can be used from -196 °C to +121 °C, autoclavables 20 min
- > Do not store in the liquid phase of liquid nitrogen
- > Laser engraved barcodes



Cryogen Box 2D bottom: 2D barcode and openings\*

	For	25 cryotubes 1-2 ml	81 cryotubes 1-2 ml	81 cryotubes 3-4-5 ml	100 cryotubes 2D - 2 ml	100 cryotubes 2D - 5 ml
Dimensions (mm)		76 x 76 x 52	132 x 132 x 52	132 x 132 x 94	132 x 132 x 52	132 x 132 x 94
<b>Cryogen® Box 2D:</b> Standard barcode + 2D Datamatrix code	White bottom/ blue grid	-	390717	390721*	-	-
	White bottom/ yellow grid	-	390718	390722*	-	-
	White bottom/ red grid	-	390719	390723*	-	-
	White bottom/ green grid	-	390720	390724*	-	-
	White bottom with pins	-	-	-	390820**	390821**
	<b>Price</b>	-	N/A -	N/A -	N/A -	N/A -
<b>Cryogen® Box 1D:</b> Standard Barcode	White bottom/ blue grid	390804	390808	390812*	-	-
	White bottom/ yellow grid	390805	390809	390813*	-	-
	White bottom/ red grid	390806	390810	390814*	-	-
	White bottom/ green grid	390807	390811	390815*	-	-
	White bottom with pins	-	-	-	390816**	-
	<b>Price</b>	N/A -	N/A -	N/A -	N/A -	-

\* The CryoGen® Box for 81 tubes 3 to 5 ml is not compatible with 4 ml cryotubes with internal screw cap.

\*\* With internal screw cap only.

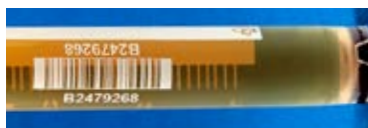
ClearLine® 2D barcode cryotubes

ClearLine® Quality

- >> Made of medical grade virgin polypropylene
- >> Can be used down to -196 °C
- >> ATP-free
- >> USP Class VI (non-cytotoxic and non-haemolytic)
- >> Sterilised by Beta rays, SAL 10<sup>-6</sup>



- > Graduated with inscription surface
- > Autoclavable in steam at 121 °C for 20 minutes.



- > 2D Datamatrix barcode on the bottom of the tube, matching the printed barcode
- > Pre-printed barcode on every tube (Code 128)
- > Readable both ways, by all scanner brands



- > Can be used with capper/decapper.
- > New bi-injected screw cap (polyethylene and silicone)
- > Can be screwed and unscrewed with one hand
- > The bottom of the tubes can be twist-locked into the base of CryoGen® Box 2D and in the polycarbonate racks



	External screw		Internal screw	
Volume (ml)	2	5	2	5
H x ø (mm)	45.6 x 12.6	87.6 x 12.6	48.2 x 12.6	90.3 x 12.6
Cat. No.	390713	390714	390715	390716
Price/ 50 units	N/A -	N/A -	N/A -	N/A -

## Cryotubes 2D Next-Gen - FluidX



- **3 barcode options:**
  - 2D barcode on the bottom of the tube
  - 1D linear barcode on the side of the tube
  - Alphanumeric marking on the side of the tube (for tubes with 3 barcodes) or on the bottom of the tube (for tubes with 2 barcodes)
- **Unique barcodes**
- **Co-moulded jacket tube**
- **Operating temperature: -196 °C to +121 °C**
- **External thread: compatible with automats, more secure, larger working volume, avoids overtightening, double thread**
- **Made of high quality virgin polypropylene, without release agents**
- **Manufactured in an ISO class 8 cleanroom**
- **Rack Version:**
  - Locking system that prevents the tube from turning in the rack when closing and opening the cap
  - Locking latch on the side of the rack
  - 2D barcode on the bottom of the rack and 1D on the side

Vol. (ml)	Ø x H. with cap (height without cap) (mm)	Bar code	In Bulk without cap			In Bulk with cap			In a rack without cap			In a rack with cap		
			Cat.No	Units/box	Price/box	Cat.No	Units/box	Price/box	Cat.No	Units/box	Price/box	Cat.No	Units/box	Price/box
0.5	8.7 x 29.8 (26.4)	2D; Alphanumeric	830354	960	N/A -	830351	960	N/A -	830350	10 racks of 96 tubes	N/A -	830353	10 racks of 96 tubes	N/A -
		2D; Alphanumeric; 1D	783729	960	N/A -	783730	960	N/A -	783928	10 racks of 96 tubes	N/A -	783929	10 racks of 96 tubes	N/A -
0.9	8.7 x 45.7 (42.3)	2D; Alphanumeric	830355	960	N/A -	830344	960	N/A -	830356	10 racks of 96 tubes	N/A -	830334	10 racks of 96 tubes	N/A -
1	8.7 x 49.6 (46.2)	2D; Alphanumeric; 1D	783701	960	N/A -	783702	960	N/A -	783703	10 racks of 96 tubes	N/A -	783704	10 racks of 96 tubes	N/A -
1.9	12.8 x 43.9 (38.2)	2D; Alphanumeric; 1D	783720	960	N/A -	783721	960	N/A -	783722	10 racks of 48 tubes	N/A -	783723	10 racks of 48 tubes	N/A -

For other volumes and versions with internal thread, please contact us.

### Manual picker

- **Allows for one-handed tube removal**
- **Minimises the risk of cross-contamination and temperature fluctuations of samples**
- **Flexible hooks to suit all types of tubes**
- **Dimensions L x Ø (mm): 165 x 17**
- **Weight (g): 23**

Cat. No.	Description	Price
783766	Picker XTP-1 96	N/A -

### Cap for 0.5 ml, 0.9 ml and 1 ml tubes

- **External screw caps**
- **Made of high quality Virgin polypropylene**
- **High chemical resistance**
- **Operating temperature: -196 °C to +121 °C**
- **Available in SBS rack format for use with capper/decapper**
- **Autoclavable**

White	Red	Yellow	Blue	Light blue	Orange*	Green	Amber	Violet	Natural	Black	Units/box	Price/box
783709	783710	783711	783712	783713	783714	783715	783716	783717	783718	783719	960	N/A -

\* By default, the orange cap is provided.

### ➤ Caps for 1.9 ml tubes

Orange	Red	Blue	Green	Yellow	Units/box	Price/box
783808	783809	783810	783811	783812	480	N/A -

### ➤ Empty racks

Cat.No	For tube volume of	Units/box	Price/box
783738	0.5 ml	10	N/A -
783759	0.9 ml	10	N/A -
783700	1 ml	10	N/A -
783820	1.9 ml	10	N/A -



➤ **Caps on rack for tubes 0.5 ml, 0.9 ml and 1 ml**

Cat. No.	Description	Units/box	Price/box
783762	Rack of 96 external screw caps, orange	10	N/A -
783763	Rack of 96 external screw caps, orange	50	N/A -
783764	Empty rack for 96 screw caps	50	N/A -



### ➤ Septum caps

- **In TPE**
- **Drillable**
- **Operating temperature: -80 °C to +110 °C**
- **Ideal for storage at -20 °C**
- **For 0.5 ml, 0.9 ml and 1 ml tubes**

Cat. No.	Units/box	Price/box
783788	50 x 96-cap mat	N/A -

## FluidX 2D Cryotubes for tissue samples storage

- Made of high quality Virgin polypropylene
- Flat bottom
- Wide mouth ideal for use with pliers
- For samples up to 9.5 mm
- External screw
- Operating temperature: -196 °C to +121 °C
- 3 Barcodes:
  - 2D barcode on the side and bottom of the tube
  - Alphanumeric marking on the side of the tube



Vol. (ml)	Ø x H. without cap (mm)	In Bulk without cap			In Bulk with cap			In a rack with cap		
		Cat.No	Units/box	Price/box	Cat.No	Units/box	Price/box	Cat.No	Units/box	Price/box
2.2	17 x 32.1 (25.9)	783942	240	N/A -	783947	240	N/A -	783948	240	N/A -

### Screw cap

	Natural	Orange	Units/box	Price/box
	783886	783759	240	N/A -

### Empty racks

Cat. No.	Description	Units/box	Price/box
783946	Empty rack for 24 tubes	10	N/A -

## Greiner Bio-One Greiner Cryo.S Biobanking tubes

Solution to reduce storage space and cost.

- 300 µl to 1 ml tubes on SBS format lid rack
- 2D barcode under the tube
- Linear and 2D barcodes on the rack



Vol. (µl)	Non sterile without cap		Non-sterile with cap		Sterile with cap	
	Cat. No.	Price the 10 x 96	Cat. No.	Price the 10 x 96	Cat. No.	Price the 10 x 96
300	976570	N/A -	976580	N/A -	976561	N/A -
600	977570	N/A -	977580	N/A -	977561	N/A -
1000	978570	N/A -	978580	N/A -	978561	N/A -

### Accessory

Cat. No.	Description	Price 10 units
385270	Cap holder with 96 screw caps	N/A -



Units with a wide range of coloured caps: consult us  
Capper/decapper. consult us



Greiner Bio-One Cryotubes Cryo.s™ Datamatrix



**TIP** See tubes for Biobanks on page 425

**Datamatrix Cryo Rack**

- Made of polypropylene
- Temperature resistant from -196 °C to +30 °C
- Capacity of 48 tubes
- Format compatible for automation or SBS format or microplate
- Dimensions: 127.76 x 85.48 mm

Cryotubes incorporating a Datamatrix barcode, a two-dimensional matrix code, at its base.

- Datamatrix ECC200 code with Reed-Solomon error correction algorithm
- Sterile 10-6 SAL (according to ISO11137), CE IVD
- Medical grade polypropylene without leachable compounds and USP Class VI certified
- 2D barcode (predefined) under the tube and type 128 barcode on the side of the tube
- 2DC Version: automatable external screw cap compatible with all liquid pipetting machines and de-/re-capping systems

Cat. No.	Volume (ml)	Screw	Silicone seal	Units/box	Price/box
123263-2DG	1	Internal	With	500	N/A -
122263-2DG	2	Internal	With	500	N/A -
126263-2DG	2	External	Without	500	N/A -
127263-2DG	4	External	Without	300	N/A -
126263-2DC	2	External	Without	500	N/A -
127263-2DC	4	External	Without	300	N/A -

**Accessory**

- Rack for 48 caps: intermediate storage of screw caps (after decapping, during tube filling)
- Compatible with Hamilton Storage Technologies LabElite Bottle Opener

Cat. No.	Description	Units/box	Price/box
803507	Rack for 48 screw caps	8	N/A -

Cat.No	Description	Height (mm)	Units/box	Price/box
803277	Rack without lid	30	20	N/A -
803202	Rack for 1 and 2 ml tubes with low lid	52.5	20	N/A -
803270	Rack for 4 ml tube with high lid	88.5	15	N/A -

Corning® Cryotubes with barcode



- Bar code 1D/2D
- Caps compatible with capper/decapper.
- Lockable base: prevents rotation of the tube in the rack (431724 and 431725)
- Volume 2 ml
- Autoclavable tubes and caps

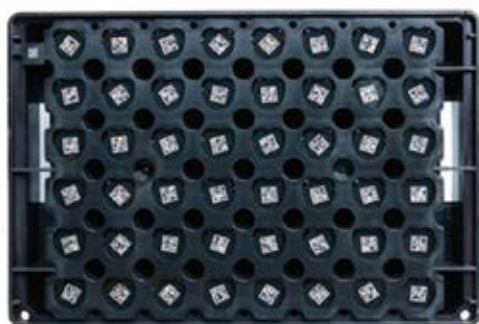
Cat. No.	Bar code	Thread	Units/bag	Units/box	Price/box
431721	1D/2D	Internal	50	500	N/A -
431722	1D/2D	External	50	500	N/A -
431723	1D	Internal	50	500	N/A -
431726	1D	External	50	500	N/A -

Eppendorf tricode cryotubes



- Fast and secure sample identification
- 3 Barcodes:
  - Human readable barcode
  - 1D barcode
  - 2D Datamatrix barcode
- High quality virgin polypropylene tubes, manufactured in a class VIII clean room for maximum sample purity
- Rack tubes with twist lock bottom for one-handed opening and closing of tubes
- Rack with locking system for secure closure
- Operating temperature:
  - 196 °C (gas phase of liquid nitrogen) to +121 °C

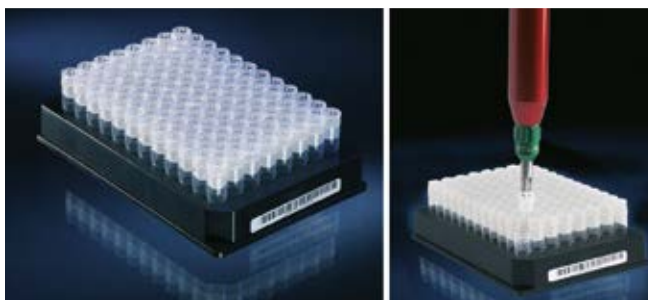
Cat. No.	Volume (ml)	Sterile	Units/box	Price/box
934465	0.5	No	10 boxes of 96	N/A -
934470	0.5	Yes	10 boxes of 96	N/A -
934466	1	No	10 boxes of 96	N/A -
934471	1	Yes	10 boxes of 96	N/A -
934467	1.5	No	10 boxes of 48	N/A -
934472	1.5	Yes	10 boxes of 48	N/A -
934468	2	No	10 boxes of 48	N/A -
934473	2	Yes	10 boxes of 48	N/A -
934469	4	No	10 boxes of 48	N/A -
934474	4	Yes	10 boxes of 48	N/A -



## Nunc CryoBank™ and Bank-It™ Storage tubes

For automated storage of samples. Volume 0.5 ml or 1 ml

- **CryoBank™** for cells and proteins
- **Bank-It™** for DNA
- **Optimised storage:** microplate format, storage in a cryobox
- **96 microtubes** in 8 by 12 format on microplate, or in bulk
- **The tubes are clicked into the rack:** easy opening and closing
- **Low binding surface** for improved retrieval of low concentration samples
- **100% leak-proof double click cap**
- **2D barcode, 14 x 14**



	2D Barcode	CryoBank 0.5 ml Tube	CryoBank 1 ml Tube	Bank-It 0.5 ml Tube	Bank-It 1 ml Tube
Tubes on rack	No	056282	-	-	-
<b>Price/ the 2 x 96</b>		N/A -	-	-	-
Tubes on rack	Yes	-	056285	-	-
<b>Price/ the 2 x 96</b>		-	N/A -	-	-
Tubes on rack	Yes	056289	056293	056291	056295
<b>Price/ the 10 x 96</b>		N/A -	N/A -	N/A -	N/A -
Tubes SI in bulk	No	056297	056298	-	-
<b>Price/ the 10 x 96</b>		N/A -	N/A -	-	-

### Accessories

Cat. No.	Description	Units/box	Price/box
056364	Freezing shelf (H=74 cm) for 19 boxes of 0.5 ml tubes + 13 boxes of 1 ml tubes	1	N/A -
056365	Single caps for Bank-It cryotubes	960	N/A -
056540	Green caps for Bank-It cryotubes	960	N/A -
056541	Red caps for Bank-It cryotubes	960	N/A -
056542	Blue caps for Bank-It cryotubes	960	N/A -
056299	Electric screwdriver	1	N/A -
056300	Manual screwdriver	1	N/A -

## Nunc Cryobank 2 and 5 ml Cryotubes

- **2 or 5 ml screw cap tubes** on sterile rack of 48 tubes or in bulk, with or without 2D code
- **Rack format to SBS standard**
- **Self-standing tubes, self-locking in the rack**
- **Same dimensions as conventional cryotubes**
- **Translucent**

Tot. Vol. µl/wells	2 ml	5 ml	2 ml	5 ml
2D Code	With	With	Without	Without
<b>On rack</b>	056733	056732B	056735	056734
<b>Units/box</b>	48 x 10	48 x 10	48 x 10	48 x 10
<b>Price/box</b>	N/A -	N/A -	N/A -	N/A -
<b>Bulk</b>	056775	056779	056777	056778
<b>Units/box</b>	960	528	960	528
<b>Price/box</b>	N/A -	N/A -	N/A -	N/A -
<b>On lockable rack</b>	056797	056796	-	-
<b>Units/box</b>	48 x 10	48 x 10	-	-
<b>Price/box</b>	N/A -	N/A -	-	-



Cat. No.	Description	Price 10 units
056792	Rack for 2 ml Cryobank tubes	N/A -
056793	Rack for 5 ml Cryobank tubes	N/A -

## Nunc "Press out tool"



Tool for rapid retrieval of Bank-It and CryoBank cryotubes. Allows you to select the tubes to be removed from a complete rack.

Use:

- place the metal pegs on the selected position on the tool;
- insert the rack with the tubes on the tool (the orientation is controlled by the cut-off edge of the rack);
- with both handles, press the rack, the selected tubes are removed from the rack. Put the rack back in the cold. The operation took only a few seconds and the samples do not have time to thaw.

Cat. No.	Description	Price
056330	Nunc "Press out tool"	N/A -

## 2D transfer tubes 1.8 ml, 2 ml and 5 ml

- **Polypropylene tube, polycarbonate rack**
- **USP Class VI**
- **Cap with external polypropylene thread with thermoplastic elastomer seal**
- **Low version, total tube height 49.79 mm**
- **Temperature resistant from -180 °C to 121 °C**
- **Sterile, autoclavable**
- **Graduated, white marking area**



Type/Marking	5 ml tubes				2 ml tubes with internal screw thread		1.8 ml tubes	
	Cat.No	Units/box	Price/box	Units/box	Cat.No	Price/box	Cat.No	Price/box
Latch rack/2D	056851	24 x 10	N/A -	48 x 10	056872	N/A -	056843	N/A -
Latch rack	056852	24 x 10	N/A -	48 x 10	056873	N/A -	446861	N/A -
In bulk/2D	056853	240	N/A -	480	056874	N/A -	056844	N/A -
In bulk	056854	240	N/A -	480	056875	N/A -	-	-
Empty rack	056855	10	N/A -	10	056871	N/A -	262181	N/A -
Empty latch rack with barcode	-	-	-	10	-	-	056906	N/A -
Latch rack with barcode	-	-	-	48 x 10	056872B	N/A -	056843B	N/A -

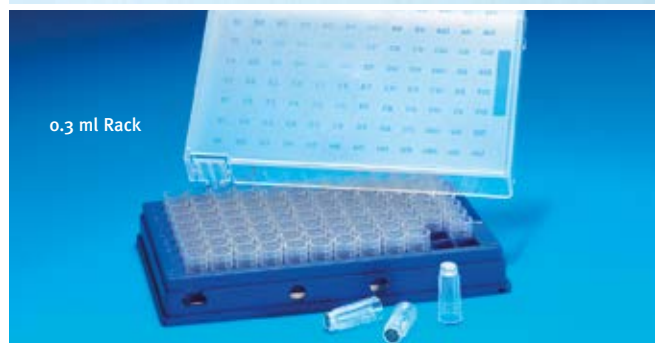
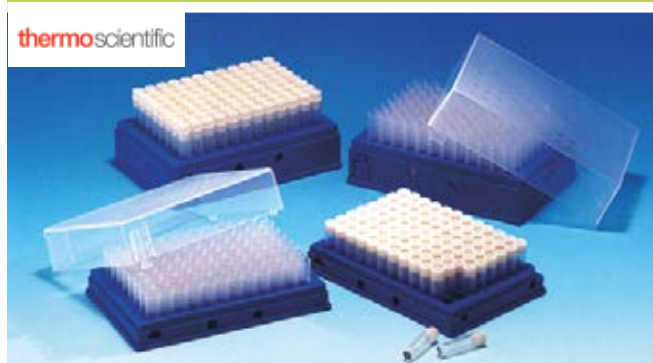
## ABgene® SmartScan™ 2 ml cryotubes, 2D code



Cat. No.	Description	Units/ bag	Units/ box	Price/ box
016972	Cypher 2 ml cryotube, 2D code	500	500	N/A -
016996	Rack 48 cryotubes 2 ml, 2D code SmartScan™		10 racks	N/A -

- ▶ SmartScan™ DataMatrix™ 2D encapsulated code combined with an 8-digit human readable code
- ▶ Made of virgin polypropylene
- ▶ For storage and unique sample identification
- ▶ Twist Lock screw cap
- ▶ Marking surface
- ▶ Compatible with all ABgene readers
- ▶ Resistant to DMSO or other solvents
- ▶ Cap with 100% watertight sealing ring
- ▶ Available in a 48-well rack to optimise tube storage in the freezer
- ▶ Lockable rack with transparent cover with alphanumeric marking
- ▶ Guaranteed down to -180 °C in liquid nitrogen vapour
- ▶ Maximum volume: 2 ml / useful volume: 1.8 ml

## ABgene® SmartScan™ 2D Transfer Tubes



- ▶ Tubes on rack with 2D DataMatrix Code on the outside bottom of the tube (2D SmartScan™ code); a 10-digit code is also readable by eye
- ▶ For unique identification of each sample (3.6 x 10<sup>25</sup> possible combinations)
- ▶ Full traceability
- ▶ The 2D SmartScan™ code is encapsulated in a polypropylene window (patent pending) for total protection from damage, solvents (e.g., water, oil, gas, etc.) and other contaminants: DMSO
- ▶ Volume 0.3 ml, 0.65 ml or 1.2 ml (all conical bottom)
- ▶ The 2D SmartScan™ code can be read by various readers (see page 351)
- ▶ Empty rack available on request

### Applications

- ▶ To build up your sample bank safely, even at low temperatures
- ▶ 0.3 ml: DNA/RNA/tissue storage
- ▶ 0.5 ml: DNA/RNA storage
- ▶ 1 ml: storage of biological samples, chemical library
- ▶ 2 ml: storage of biological samples

Cat. No.	Volume	Presentation	Caps	Units/ box	Price/ box
016992	0.3 ml	Rack	No	10 x 96	N/A -
016569	0.65 ml	Bulk	No	960	N/A -
016568	0.65 ml	Rack	Septum	10 x 96	N/A -
016566	1.2 ml	Robotic Rack	No	10 x 96	N/A -
016646	1.2 ml	Non-stacking rack alphanumeric marking.	No	10 x 96	N/A -
016638	1 ml	Rack	TL* White	10 x 96	N/A -





## ABgene® Caps for transfer tubes

### SmartCap 96-cap Mat

Cat. No.	Description	Units/box	Price/box
017225	SmartCap 96-cap Mat	10 x 96	N/A -

### 8-Cap Strip - for short term storage

Cat. No.	Description	Units/box	Price/box
016129	8-cap Strip	120 x 8	N/A -

### Individual caps - for short term storage

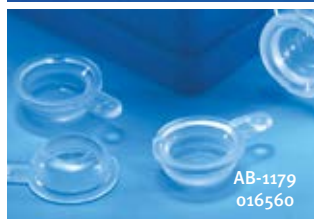
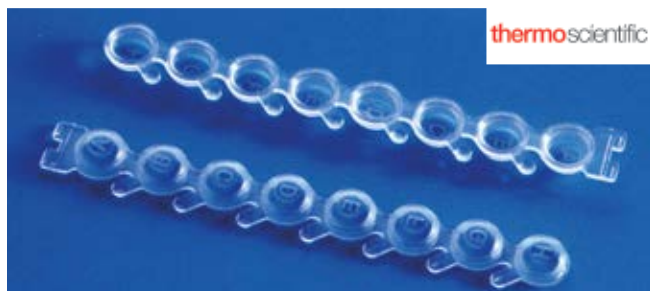
Cat. No.	Description	Units/box	Price/box
016560	Individual caps	960	N/A -

### Septum caps - self-piercing and self-closing with a guaranteed seal

Cat. No.	Description	Units/box	Price/box
016957	Caps with septum, 10 mm	1000	N/A -

### Accessories

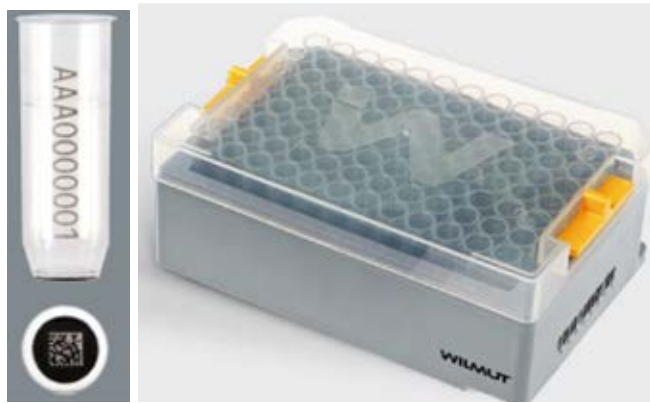
Cat. No.	Description	Units/box	Price/box
016544	Tray of 96 caps with septum	10	N/A -



## 2D tubes on rack

WILMUT

- > With Data Matrix marking on the bottom of the tube
- > 2 volumes: 0.65 ml and 1.4 ml (effective volumes: 0.5 ml and 1.2 ml)
- > With additional alphanumeric code on the tube body
- > Made of polypropylene
- > Low retention
- > Temperature resistant from -196 °C à +121 °C
- > Manufactured in a class 7 clean room
- > One-piece tubes with laser engraved codes
- > Good contrast of the alphanumeric marking on the tube and easy reading of the code
- > Suitable for use in liquid nitrogen vapour
- > With barcode and alphanumeric code on the side of the rack
- > Alphanumeric code on the tube identical to that of the rack
- > The last 2 digits indicate the position of the tube in the rack



STORAGE  
SCREENING

### Rack only

- > With transparent lid with locking system
- > In the standardised SBS format
- > Lower rack heights than other brands to save space

Cat.No	Rack for 96 tubes	Units/box	Price/box
340023	0.65 ml	18	N/A -
340024	1.4 ml	10	N/A -

### On 96-tube rack

Volume (ml)	Cat.No	Units/box	Price/box
0.65	340011B	20 racks of 96	N/A -
1.4	340012	12 racks of 96	N/A -

## W-SEAL caps and cap mats

WILMUT

- > In high quality TPE
- > FDA certified
- > In mats or in bulk



	Natural	Blue	Black	Red	Yellow
Caps, in bulk	340013	340014	340015	340016	340017
Price/ 960 units	N/A -	N/A -	N/A -	N/A -	N/A -
Caps on mat of 96	340018	340019	340020	340021	340022
Price/ the 10 mat of 96	N/A -	N/A -	N/A -	N/A -	N/A -



## 2D tubes with screw caps



Tubes 200 µl



- Made of polypropylene
- USP Class VI
- Silicone cap
- Temperature resistant from -80 °C to 120 °C
- 200 µl, 500 µl, 1 or 12 ml tubes
- Sterile
- Internal screw



- **Latch racks**
  - Compatible with Automats
  - SBS format
  - Open bottom for ventilation and cooling; for faster heat-up
  - Safety lid for robotic use; for shipping, the lid stays closed; for manual use, the lid stays in the open position by the hinges
- **Snap racks**
  - Compatible with Automats
  - Security cover for shipping and storage

	200 µl Tubes			500 µl Tubes					1 ml Tubes					12 ml Tubes		
	With screw cap			With screw cap		Without screw cap			With screw cap		Without screw cap			With screw cap		Without screw cap
Natural tubes	Bulk	On a rack	On a rack with barcode	Bulk	On a rack	On a rack with barcode	On a rack	On a rack with barcode	Bulk	On a rack	On a rack with barcode	On a rack	On a rack with barcode	Bulk	On a rack	On a rack
Natural cap	446613	446612	446612B	446461	446462	446462B	446463	446463B	446460	446307	446307B	446308	446308B	446466	446467	446468
Blue cap	-	-	-	446533	446539	446539B	-	-	446545	446551	446551B	-	-	-	-	-
Green cap	-	-	-	446534	446540	446540B	-	-	446546	446552	446552B	-	-	-	-	-
Purple cap	-	-	-	446535	446541	446541B	-	-	446547	446553	446553B	-	-	-	-	-
Red cap	-	-	-	446564	446542	446542B	-	-	446548	446554	446554B	-	-	-	-	-
White cap	-	-	-	446537	446543	446543B	-	-	446549	446555	446555B	-	-	-	-	-
Capyellow	-	-	-	446565	446544	446544B	-	-	446550	446556	446556B	-	-	-	-	-
Units/box	480	5 x 96	5 x 96	480	5 x 96	5 x 96	5 x 96	5 x 96	480	5 x 96	5 x 96	5 x 96	5 x 96	100	96	96
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -
Amber tubes	-	-	-	-	446610*	-	-	-	-	446608*	-	446609	-	-	-	-
Units/box	-	-	-	-	5 x 96	-	-	-	-	5 x 96	-	5 x 96	-	-	-	-
Price/box	-	-	-	-	N/A -	-	-	-	-	N/A -	-	N/A -	-	-	-	-

\* Red cap



Tube 1D2D



latch Rack

### Empty racks for 2D screw cap tubes

Cat. No.	Description	Units/box	Price/box
446456B	Empty Latch Rack with green latch and barcode for 500 µl tube	10	N/A -
446458	Empty Latch Rack for 500 µl tube	5	N/A -
446458B	Empty latch rack with barcode for 500 µl tube	5	N/A -
446314	Empty latch rack for 1 ml tube	5	N/A -
446314B	Empty Latch Rack with barcode for 1 ml tube	5	N/A -
446459	Empty latch rack for 12 ml tube	4	N/A -

### 2D screw cap tubes with marking area

	With white marking area on the side		White marking area on the side of the tubes with 1D code	
	500 µl Tubes	1 ml Tubes	500 µl Tubes	1 ml Tubes
Colour	On a rack	On a rack	On a rack	On a rack
Natural	446856	446852	446857	446853
Units/box	5 x 96	5 x 96	5 x 96	5 x 96
Price/box	N/A -	N/A -	N/A -	N/A -

### Non-autoclavable screw caps only

	Bulk	On rack
Natural	446562	446513
Blue	446522	446516
Green	446523	446517
Violet	446524	446519
Red	446520	446514
White	446309	446518
Yellow	446521	446515
Units/box	500	5 trays of 96 caps
Price/box	N/A -	N/A -

### Inserts for single screw caps

Violet	White	Units/box	Price/box
446465	446464	500	N/A -

## 2D V-bottom tubes - septum cap

- USP Class VI
- Made of polypropylene
- Thermoplastic elastomer cap
- Recommended for use at room temperature and down to -80 °C
- 500 µl, 750 µl or 1.4 ml tubes
- Sold without caps except for Duraseal which are pre-installed

2 types of stoppers:

- Duraseal: special automat, permanently installed, long term storage up to -150 °C
- Without cap: standard or pre-slotted version



Type	Caps	Sterile	500 µl Tubes			750 µl Tubes			1.4 ml Tubes		
			Cat.No	Units/box	Price/box	Cat.No	Units/box	Price/box	Cat.No	Units/box	Price/box
Latch rack	Duraseal	No	446201	10 x 96	N/A -	446202	10 x 96	N/A -	446203	10 x 96	N/A -
Latch rack	Duraseal	Yes	446447	10 x 96	N/A -	-	-	-	-	-	-
Latch rack	Without cap	No	446448	10 x 96	N/A -	446449	10 x 96	N/A -	446037	10 x 96	N/A -
Latch rack green	Without cap	Yes	446558	10 x 96	N/A -	-	-	-	-	-	-
Latch rack red	Without cap	Yes	446559	10 x 96	N/A -	-	-	-	-	-	-
In bulk	Without cap	No	446557	1000	N/A -	446525	1000	N/A -	446509	1000	N/A -
Latch rack	Without cap	Yes	-	-	-	446560	10 x 96	N/A -	446038	10 x 96	N/A -

## Empty racks for tubes

Cat.No	Description	Units/box	Price/box
446457	Empty Latch Rack, red for 500 µl Duraseal tubes	10	N/A -
446456	Empty Latch Rack, green for 500 µl tubes without cap	10	N/A -
446443	Empty Latch Rack for 750 µl tubes	10	N/A -
446033	Empty Latch Rack for 1.4 ml tubes	10	N/A -

## Matrix transfer tubes with Duraseal cap

- Duraseal cap:
- Made of thermoplastic elastomer, V-bottom, pre-split, individual caps
- Compatible with all Matrix storage tubes
- Designed to be drilled over 200 times
- Solvent resistant, temperature resistant from -80 °C to +100 °C
- Excellent barrier to water vapours and DMSO vapours
- Extractable material: absent after soaking in DMSO
- Delivered mounted on tubes or in bulk

Cat.No	Description	Sterile	Duraseal cap	Units/box	Price/box
446201	Matrix 2D 0.5 ml tube on rack	No	Yes	10 x 96	N/A -
446447	Matrix 2D 0.5 ml tube on rack	Yes	Yes	10 x 96	N/A -
446202	Matrix 2D 0.75 ml tube on rack	No	Yes	10 x 96	N/A -
446203	Matrix 2D 1.4 ml tube, V-bottom, on rack	No	Yes	10 x 96	N/A -
446204	Septa only	No	-	500	N/A -

DNase  
RNaseHuman  
DNAEndo-  
toxinsCyto-  
toxinSTORAGE  
SCREENING

## 2D flat bottom tubes

- With DataMatrix barcodes
- 100 µl tubes suitable for 384 tube format
- 1 ml glass tubes for excellent chemical resistance
- 1.4 and 1 ml tubes suitable for septum caps (see below)

Type	Sterile	100 µl Tubes			1 ml Tubes			1.4 ml Tubes		
		Cat.No	Units/box	Price/box	Cat.No	Units/box	Price/box	Cat.No	Units/box	Price/box
Bulk	No	-	-	-	-	-	-	446563	1000	N/A -
Latch rack	Yes	-	-	-	-	-	-	446036	10 x 96	N/A -
Latch rack	No	446561	20 x 384	N/A -	446452	5 x 96	N/A -	446035	10 x 96	N/A -

## Empty racks for tubes

Cat. No.	Description	Units/box	Price/box
446034	Empty Latch rack for 1.4 ml tubes	10	N/A -
446865	Empty rack for 384 x 100 µl tubes	20	N/A -



## ZIATH Barcode scanners



With Cryoprotection™



Without Cryoprotection™

- All scanners are available with cryoprotection
- Special cryoprotection coating prevents condensation from your cryotubes from interrupting the reading

- Fast and easy results
- Tailor-made solution for sample management
- Works with all brands of 2D barcode tubes
- After an initial automatic calibration, the scanner is ready for use
- Compatible: Windows 8, 7, 10, Vista and XP
- 2 year warranty



## 2D barcode scanners for individual tube

### Portable Barcode scanners



- Lightweight and intuitive
- Dimensions L x W x H (mm) 155 x 65 x 38
- Storage Capacity: 60 000 samples
- Autonomy of 8h
- 5 modes:
  - displaying the tube barcode and saving the list of scanned tubes
  - displaying the tube barcode and all pre-registered details
  - downloading a list of samples to the scanner and viewing at once
  - editing existing data or adding a new sample
  - application involving wireless communication, custom projects
- With cryoprotection
- Supplied with software, battery charger, and USB cable for connection to a computer

Cat.No	Description	Price
779951	2D barcode scanner for single tube use	N/A -
779969	1D barcode scanner for handheld 2D barcode scanner	N/A -

### Barcode scanners



- Fast barcode reading in less than 1 second
- Very easy to set up
- Robust
- Large reading window made of scratch-resistant glass
- Supplied with software and instructions for use

Cat.No	Description	Price
779929	2D barcode scanner for a single tube without cryoprotection	N/A -
779930	2D barcode scanner for a single tube with cryoprotection	N/A -

STORAGE SCREENING

## DP5 software

Only compatible with 2D barcode scanners with camera. 3 versions available according to your needs.

➤ **Standard version, included with the scanner:**  
simple, intuitive, ready to use in minutes

- Control via direct connection to the computer
- Auto-scaling to work with the latest 4K displays
- Compatible with all Ziath 2D barcode scanners with camera: Mirage, Cube, and Express
- Data export in Excel, text, JSON, XML and scanned images can also be saved
- Remote control function for direct integration with liquid handling robots and other compatible external devices
- Scanning and export settings can be assigned individually for each rack type used
- Automatic rack detection and rack model creation as standard

➤ **Secure version: unparalleled level of data protection and security for users of sensitive samples (human tissue, forensics...)**

- Encrypted communication using public/private key technology
- User account with different levels of authority
- Full audit track linked to each user
- Audit track can be fully encrypted
- Scan store function adds scanned images, scanner settings, and barcode tables to each user's audit track

Cat. No.	Description	Price
779981	DP5 Secure software (1 licence)	N/A -

➤ **Network version: remote control**

- Control of multiple 2D barcode scanners directly via phone, tablet or wifi connected computer
- Control of multiple scanners on a server from a single device
- Scripting function allows a high level of automation of data processing, export of files to a database, Excel, email or any other compatible program
- Take a scanner anywhere, run a scan on a handheld device and send that file back to any computer in a variety of formats

Cat. No.	Description	Price
779979	DP5 Network software (up to 3 licences)*	N/A -
779980	DP5 Network software (from 4 licenses)*	N/A -

\* Rate for 1 licence.



## Barcode scanners with camera

## Cube barcode scanners



- Compatible with SBS racks and cryoboxes for 81, 100 and 196 tubes
- Dimensions W x L x H (mm): 152 x 174 x 146
- Fast, 1-2 seconds reading time
- Pre-calibrated, ready to use
- Supplied with rack and cryobox adapter, power adapter, software, USB cable for connection to a computer and instructions for use

Cat.No	Description	Price
779975	Cube 2D barcode scanner with DP5 software	N/A -
779976	Cube 2D barcode scanner with cryoprotection and DP5 software	N/A -

## Mirage Bar code scanners



- Compatible with all 24, 48 and 96 tube SBS format racks
- Compact W x L x H (mm): 208 x 135 x 80
- Low height for use in robotic integration
- Pre-calibrated, ready to use
- Supplied with power adapter, software, USB cable for connection to a computer and instructions for use

Cat.No	Description	Price
779977	Mirage 2D barcode scanner with DP5 software	N/A -
779978	Mirage 2D barcode scanner with cryoprotection and DP5 software	N/A -

Ziath

## 1D Lateral barcode scanner



- This accessory attaches to the 2D barcode reader with a magnetic clamp and allows side barcode reading of racks
- Moves to either side of the 2D barcode scanner in less than a second
- Control and power via USB connection, no additional plug
- Dimensions W x L x H (mm): 67 x 48 x 19

Cat.No	Description	Price
779948	1D barcode scanner for 2D Cube barcode scanner	N/A -
779968	1D barcode scanner for 2D Mirage barcode scanner	N/A -

Ziath

## Sample management software

- Fast and easy to use software
- Direct connection to 2D barcode reader
- Guaranteed traceability for all types of samples (blood, micro-organisms, etc.)

Cat. No.	Description	Price
779944	Sample management software	N/A -
779944F	Sample management software - French version	N/A -

Ziath

## Sample pickers



- One-handed recovery of screw-capped cryotubes or microtubes
- Ideal for retrieving tubes from the middle of a rack
- Compatible with Matrix, Nunc, FluidX, Abgene, Micronic and other tubes

Cat. No	Description	Price
779943	Picker for SBS rack cryotubes	N/A -
779942	Picker for cryotubes with screw cap in cryobox	N/A -

Ziath

## Mohawk tube picker



- Semi-automatic
- Allows selection of 1 to 6 tubes from a 96-tube rack
- 1D Integrated barcode scanner
- Intuitive software: manually generated tube selection list on excel or via the software (779944 and 779944F). The list can contain tubes from several racks. When a rack is placed on the selector, the rack is recognised by the 1D barcode and the tubes in the list are selected
- The rack is scanned and the tubes are selected in seconds
- Can be combined with Ziath Mirage, Cube and Express 2D barcode readers

Cat. No.	Description	Price
779974	Mohawk tube selector	N/A -

## VisionMate 2D Matrix Wireless Scanner



- For linear, 2D and QR barcode reading
- Data transferred via Bluetooth or USB
- Capable of scanning in low light conditions
- Display of the main parameters on the screen (battery status, scanned code, connection, etc.)
- Possibility to modify time, date, suffix, prefix, etc...
- Supplied with software

Cat. No.	Description	Price
446877	Wireless 2D barcode scanner	N/A -



Scope single tube scanner



- 1D and 2D code scanner
- No software required, just plug and play
- Visualisation of the code in the file of your choice (Word, Excel, OneNote...)
- Works with PC, tablet, iPad, smartphone
- 2 versions: USB cable or Bluetooth
- Available as a Bluetooth version with an Lenovo 10" Android tablet
- Dimensions W x D x H: 59 x 150 x 38 mm
- Weight: 254 g

Cat. No.	Description	Price
783959	USB Scope Reader	N/A -
783981	Bluetooth Scope Reader with Lenovo Android Tablet	N/A -

Perception Scanner for tubes on rack

- Ultra fast: read a 96 rack in less than a second
- Compatible with all 2D tube formats
- Can be integrated into robotics
- Detects missing tubes
- Cryoprotection function Active
- Data export in csv, html, Excel, Word,...
- Compatible with Windows 7, 8 and 10
- USB connection
- Dimensions W x D x H: 97 x 137 x 160 mm



Cat. No.	Description	Price
830370	Perception Scanner for tubes on rack	N/A -

Eppendorf 2D barcode scanner



2D barcode scanner

- 2D barcoded tube readings in SBS rack format, or cryobox
- Cryoprotection: special coating to prevent condensation from cryotubes from interrupting reading
- Small footprint
- PC connection via USB
- Compatible: Windows Vista, Windows 7, Windows 8
- Export of data in TXT, JSON, XML, image format
- Documentation (certificate, etc.) on the tubes available via the Eppendorf website based on the cryotube codes
- Automated data transfer to sample management software (e.g. Eppendorf eLABInventory)
- eLABJournal available via the Eppendorf website: intuitive and flexible solution for documenting research and tracking research data as well as workflow processes in which the ULT freezer is used



Cat.No	Description	Price
934475	Rackscan 2D barcode scanner with Rackscan analyzer software	N/A -

1D barcode scanner

- 1D barcode scanner for lateral reading of SBS racks and cryoboxes
- Can be mounted on the 2D barcode scanner Cat. number 934475

Cat. No.	Description	Price
934476	1D barcode scanner	N/A -

Bio-One Cryo.S™ barcode scanner



- Decoding time: 8 to 10 seconds per rack
- Anti-condensation treatment: for reading frozen tubes and racks
- Ability to enable or disable internal temperature control during exposure to frozen samples
- Supplied with software for reading a tube or rack of tubes with 2D barcode, power cable, USB cable, instructions for use
- One touch function for barcode reading activation

Cat. No.	Description	Dimensions L x W x H (mm)	Price
849070	Cryo.S™ barcode scanner	310 x 195 x 70	N/A -



STORAGE SCREENING

VisionMate ST 2D barcode reader



- > Single tube reader for reading 2D codes
- > Connection via USB
- > Reads all tubes with high contrast 2D barcodes
- > Supplied with software, installation by the manufacturer (only on French territory)

Cat. No.	Description	Price
446510	VisionMate ST 2D barcode reader for tube	N/A -

VisionMate SR 2D barcode reader



- > Reads a rack of all tube formats (including 2D barcodes) in less than 10 seconds (1 rack at a time)
- > Connection via USB
- > Supplied with software, installation by the manufacturer (only on French territory)

Cat. No.	Description	Price
446316	VisionMate SR 2D barcode reader for rack	N/A -

thermo scientific

VisionMate High speed 2D barcode reader



- > For reading a tube or a rack
- > Reads a rack in less than 3 seconds
- > Supplied with software, installation by the manufacturer (only on French territory), and linear barcode reading accessory for the rack

Cat. No.	Description	Price
228664	High speed 2D barcode scanner	N/A -

thermo scientific

Capit-All and Capit-All IS Capper/decapper



Capit-All 96 tubes

- > For capping/uncapping 96 tubes at a time
- > Prevents handling errors
- > Capit-all IS version can be integrated with a robotic system
- > Model 446528 and 446529: 10 seconds per cycle
- > Model 446531: 15 seconds per cycle

Cat.No	Description	Price
446528	Capper/decapper Capit-All 96 tubes MATRIX	N/A -
446529	Capper/decapper Capit-All 96 tubes NUNC	N/A -
446531	Capper/decapper Capit-All IS for integration with robotic system 96 tubes MATRIX	N/A -

Capit-All 48 tubes

- > Allows to capped/uncapped 48 tubes at a time

Cat. No.	Description	Price
446530	NUNC Capit-All 48 tube Capper/decapper	N/A -

Mat Capper



Mat applicator for storage plates.

- > Easy to use with EVA or silicone mats
- > For low or high polypropylene storage plates (Deepwell)
- > Requires little pressure
- > Reduces TMS
- > Universal navette plate

Cat. No.	Description	Price
058095	Mat Capper Applicator	N/A -

### Aperio Semi-Automated Vial Capping and Decapping System

- > For tubes with internal or external thread
- > Designed for laminar flow hoods
- > Easy to use
- > Two-position plate: Decap tubes by columns then place the caps on the dedicated rack



Model	Aperio 4	Aperio 6		Aperio 8	
Rack	SBS 24 rack	SBS 48 rack		SBS 96 rack	
Screw	Internal	Internal	External	Internal	External
Cat. No.	783975	783974	783973	783971	783972
Price	N/A -	N/A -	N/A -	N/A -	N/A -

### IntelliXcap Automated Capper/Decapper

- > Universal Capper/decapper for screw tubes in SBS 24, 48 or 96 rack
- > Operates in stand-alone mode or can be integrated and controlled on a robotic platform
- > Decapps a 96-tube rack in 20 seconds
- > Small footprint



Quote on request

### Capper / decapper for 8 tubes with screw caps

- > For capping/uncapping 8 tubes at a time
- > For left and right handed people
- > Prevents waste and increases the longevity of samples

Cat.No	Description	Price
446526	8-channel capper/decapper for MATRIX tubes	N/A -
446527	8-channel capper/decapper for NUNC tubes	N/A -



### Cap removal tools

- > To remove septum caps
- > 1 to 8 tubes in one operation



Cat. No.	Description	Price
446048	Removal tool for SeptraSeal caps	N/A -

### ClearLine

### ClearLine® 0.65 ml and 1.1 ml storage tubes

- > Polypropylene tubes in bulk or on 96 racks
- > 1.1 ml tubes, individual or in strips of 8 or 12
- > Polyethylene domed caps in strips of 8 or 12
- > ANSI format
- > Autoclavable
- > Storage up to -80 °C



Volume	0.65 ml						1.1 ml							
	Bulk			On a rack			Bulk			On a rack				
Type	Individual tubes			Individual tubes	8-tube strip	12-tube strip	Individual tubes			8-tube strip		12-tube strip		
Sterile	No	No	Yes	No	No	No	No	Yes	No	Yes	No	Yes	No	Yes
Units/box	960	10 x 96	10 x 96	960	120	80	10 x 96	10 x 96	12 x 10	12 x 10	8 x 10	8 x 10	8 x 10	8 x 10
Cat. No.	007863ACL	007864ACL	007865ACL	007866ACL	007869ACL	007872ACL	007867ACL	007868ACL	007870ACL	007871ACL	007873ACL	007874ACL	007875ACL	007876ACL
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

### Plugs

Type	8-Cap strips		12-Cap strips	
Sterile	No	Yes	No	Yes
Units/box	120	120	80	80
Cat. No.	007875ACL	007876ACL	007877ACL	007878ACL
Price/box	N/A -	N/A -	N/A -	N/A -

### Accessory

Cat. No.	Description	Units/box	Price/box
007879CL	Empty rack with lid	50	N/A -



## Transfer Tubes 1.2 ml



- SBS format
- Ideal for automation / HTS
- Available in single, 8 or 12 tube strips
- Virgin polypropylene tubes and racks, polyethylene cap strips
- The racks are supplied with transparent lids
- Alphanumeric marking
- Autoclavable
- Sterile version free of pyrogens



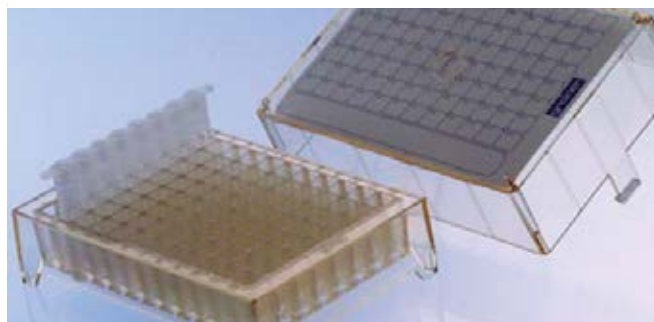
Description	Tubes, in bulk			Tubes, in rack			Sterile Tubes, in rack		
	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
Individual tubes	045569	1000	N/A -	045570	10	N/A -	840904	10	N/A -
8-tube strip	840897	125	N/A -	840900	10	N/A -	840905	10	N/A -
12-tube strip	840898	80	N/A -	840901	10	N/A -	840906	10	N/A -

### Cap strips

Description	Non-sterile			Sterile		
	Cat. No.	Units/box	Price/box	Cat. No.	Units/box	Price/box
8-strip	045568A	125	N/A -	840902	125	N/A -
12-strip	840899	80	N/A -	840903	80	N/A -



## Bio-One 96-tube storage racks



- 1.3 ml polypropylene tube
- 96 position polycarbonate rack with lid included
- SBS format, silicone cap strip
- Identification Card
- Temperature resistance - 80 °C to + 120 °C, autoclavable

Cat. No.	Tubes included	Sterile	Price
975502	No	No	N/A -
975561	Yes	Yes	N/A -
975570	Yes	No	N/A -



## ABgene® Standard 0.65 ml and 1.2 ml transfer tubes on rack



- Made of virgin polypropylene (no leaching)
- Volume: 0.65 ml and 1.2 ml
- All racks are available with barcode
- Especially suitable for screening and robotic applications
- Compatible with multichannel pipettes
- Presented loaded on 96-well rack with alphanumeric index
- Withstands down to -180 °C

The tubes are supplied either:

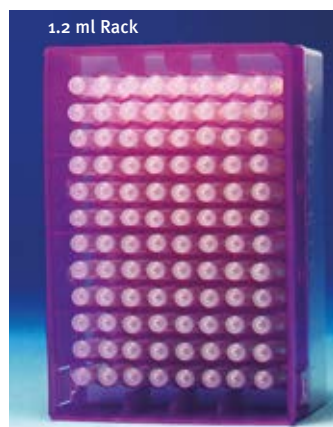
- uncapped;
- with Multisip™ septum cap (for robotic use)

### Standard transfer tubes

Cat. No.	Volume	Presentation	Caps	Units/box	Price/box
016892	0.65 ml	Rack	No	10 x 96	N/A -
016414	1.2 ml	Rack	No	10 x 96	N/A -

### Plugs

Cat. No.	Description	Units/box	Price/box
016129	8-cap Strip	120 x 8	N/A -
016560	Individual caps	960	N/A -
016544	96 septum caps tray	10 x 96	N/A -
017225	SmartCap Mat	10 x 96	N/A -



## Matrix septum cap transfer tubes

- ▶ Round bottom
- ▶ In polypropylene Autoclavable
- ▶ Temperature resistant from -80 °C to 120 °C
- ▶ Bulk, Latch rack or Snap rack version
- ▶ **Latch racks**
  - ▶ Compatible with Automats
  - ▶ SBS format
  - ▶ Open bottom for ventilation and refrigeration for faster temperature recovery
  - ▶ Safety lid for robotic use; for shipping, the lid stays closed; for manual use, the lid stays in the open position by the hinges
- ▶ **Snap racks**
  - ▶ Snap-in tubes, avoids the risk of tipping
  - ▶ Compatible with Automats
  - ▶ Security cover for shipping and storage



Type	Marking	Sterile	Units/box	750 µl Tubes		1.4 ml Tubes	
				Cat.No	Price/box	Cat.No	Price/box
In bulk	-	No	1000	446015	N/A -	446020	N/A -
On Latch rack	-	No	10 x 96	446016	N/A -	446023	N/A -
On Latch rack	-	Yes	10 x 96	446017	N/A -	446024	N/A -
On Latch rack	Alphanumeric	No	10 x 96	446018	N/A -	446029	N/A -
On Latch rack	Alphanumeric	Yes	10 x 96	446019	N/A -	-	-
Snap Rack	Alphanumeric	No	10 x 96	-	-	446027	N/A -
Snap Rack	Alphanumeric	Yes	10 x 96	-	-	446028	N/A -
Refill	-	No	10 x 96	-	-	446025	N/A -
Refill	-	Yes	10 x 96	-	-	446026	N/A -
Refill	Alphanumeric	No	10 x 96	-	-	446031	N/A -

## Empty racks

Cat. No.	Presentation	Sterile	Units/box	Price/box
446443	Latch rack for 0.75 ml tubes	No	10	N/A -
056794	Latch rack for 48 tubes 1 or 2 ml	No	10	N/A -
446033	Latch rack for 1.4 ml tubes	No	10	N/A -
446034	Snap rack for 1.4 ml tubes	No	10	N/A -
056795	Latch rack for 48 tubes 3.6 - 5 ml	No	10	N/A -



Latch rack

The lid remains in the open position by the hinges



Safety cover for use in robotics

## ▶ Closing systems

- Individual Sepraseal caps on mat
- Cap Mat
- Cap strips



- Individual Sepraseal caps on mat

Trans.	Red	Yellow	Blue	Green	Pink	Violet	Grey	Price box 96 x 10
--------	-----	--------	------	-------	------	--------	------	-------------------

## Individual Sepraseal caps on Non-sterile mat

446045	446481	446482	446483	446484	-	446486	446487	N/A -
--------	--------	--------	--------	--------	---	--------	--------	-------

## Sepraseal Individual caps on sterile mat

446046	446488	446489	446490	446491	-	446493	446494	N/A -
--------	--------	--------	--------	--------	---	--------	--------	-------

## Sepraseal Individual caps on pre-punched non-sterile mat

446047	446495	446496	446497	446498	-	446500	446501	N/A -
--------	--------	--------	--------	--------	---	--------	--------	-------

## Sepraseal Individual caps on pre-punched sterile mat

446453	446502	446503	446504	446505	-	-	446508	N/A -
--------	--------	--------	--------	--------	---	---	--------	-------

## Accessory

446048	Uncapping tool (box with 1)							N/A -
--------	-----------------------------	--	--	--	--	--	--	-------

## Mats and Cap Strips



## Cap Mat

Cat. No.	Cap Mat for	Sterile	Units/box	Price/box
446052	Tube 0.75 ml and 1.4 ml on Latch racks	No	100	N/A -
446053	Tube 0.75 ml and 1.4 ml on Latch racks	No	10	N/A -

## Cap strips

Cat. No.	Type	Sterile	Price the 240 unit box
446055	Detachable cap	No	N/A -
446056	Separable cap	Yes	N/A -
446057	Non-detachable cap	No	N/A -
446058	Non-detachable cap	Yes	N/A -

## Hitplate 0.65 ml and 1.2 ml transfer tubes on rack



- 96-tube rack with SBS standard
- In polypropylene Autoclavable
- Safety Transparent lid
- Stackable
- A support frame holds the tubes in the rack and prevents accidental removal of a tube
  
- 0.65 ml or 1.2 ml tubes
- In polypropylene, Autoclavable
- Available in 3 versions: single tubes, 8-tube strips or single tubes with printed alphanumeric bottom marking



Cat. No.	Type	Volume (ml)	Tubes Presentation	Support frame	Tube Alphanumeric marking	Units/box	Price/box
606101	Individual	0.65	Bulk	-	No	960	N/A -
606100	Individual	0.65	Rack	No	No	10 x 96	N/A -
606300	Individual	0.65	Rack	Yes	No	10 x 96	N/A -
606400	Individual	0.65	Rack	No	Yes	10 x 96	N/A -
606500	Individual	0.65	Rack	Yes	Yes	10 x 96	N/A -
606900	Individual	0.65	Refill	Yes	No	50 x 96	N/A -
606800	Individual	0.65	Refill	Yes	Yes	50 x 96	N/A -
606250	8-strip	0.65	Bulk	-	No	120 x 8	N/A -
606200	8-strip	0.65	Rack	No	No	10 x 96	N/A -
605101	Individual	1.2	Bulk	-	No	960	N/A -
605100	Individual	1.2	Rack	No	No	10 x 96	N/A -
605300	Individual	1.2	Rack	Yes	No	10 x 96	N/A -
605400	Individual	1.2	Rack	No	Yes	10 x 96	N/A -
004410M	Individual	1.2	Rack	Yes	Yes	10 x 96	N/A -
605900	Individual	1.2	Refill	Yes	No	50 x 96	N/A -
605800	Individual	1.2	Refill	Yes	Yes	50 x 96	N/A -
605250	8-strip	1.2	Bulk	-	No	120 x 8	N/A -
605200	8-strip	1.2	Rack	No	No	10 x 96	N/A -
606110	Rack with lid for 0.65 ml tubes 0.65 ml (L x W x H = 127.3 x 85.2 x 41.5 mm (H= 20.3 mm without lid))					10	N/A -
605110	Rack With lid for 1.2 ml 10 tubes					10	N/A -
606115	8-cap Strip					120 x 8	N/A -
900300	Aluminium sealing foil					100	N/A -

## Biotubes Storage and transfer tubes

1.2 ml polypropylene tubes for storage and transfer. Individual or in strips of 8, in bulk or in a rack of 96 in microplate format.

- Racks Autoclavable more than 100 times
- Colour code on the rack
- Freezable at -80 °C
- Lid
- Alphanumeric index
- Tube ø x H (mm): 8.8 x 45 mm
- Removable inner tray of the unit



## Storage tubes for robotics



- 96-Tube strip 1.2 ml
- Made of polypropylene
- Specially designed for robotics
- Also ideal for multi-channel pipettes
- A special "Low Profile" version allows the rack to be adapted to equipment limited to the height of a storage block (Deepwell plate)
- Lid with alphanumeric index
- Tubes ø x H: 8.8 x 45 mm

### Tubes, in bulk 1.2 ml

Cat. No.	Description	Units/box	Price/box
039116	Tubes, in bulk	960	N/A -
039117	Low surface adsorption tubes	960	N/A -
039119	8-Tube Strip, in bulk	120 x 8	N/A -
039120	8- Cap Strip, in bulk	120 x 8	N/A -

### Racked Tubes 1.2 ml

Rack colours	Blue	Green	Red	Yellow	Units/box	Price/box
Rack 96 individual tubes	039100	039101	039102	039103	10 x 96	N/A -
Rack 96 individual tubes, sterile	039104	039105	039106	039107	10 x 96	N/A -
Rack 96 tubes in strips of 8	039108	039109	039110	039111	10 x 96	N/A -
Rack 96 tubes in strips of 8, sterile	039112	039113	039114	039115	10 x 96	N/A -

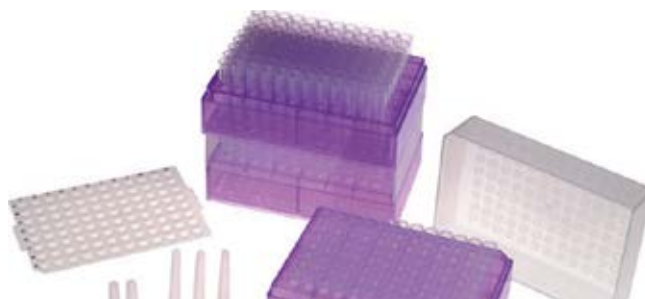
Cat. No.	Description	Units/box	Price/box
039121	Rack with 96 individual tubes	10 x 96	N/A -
039122	Rack with 96 individual tubes, sterile	10 x 96	N/A -
039123	Rack with 12 x 8-tube strips	10 x 96	N/A -
039124	Rack with 12 x 8-tube strips, sterile	10 x 96	N/A -



# TRANSFER TUBES

## 0.65 ml, 1.1 ml and 2.2 ml transfer tubes, individual or in strips

- Bulk or rack tubes in 96-well plate configuration
- In individual tubes or in strips of 8 or 12 tubes
- Polypropylene microtubes
- Polyethylene caps in strips of 8 or 12
- Aspecific adsorption of lesser proteins
- Excellent resistance to chemicals (organic solvents, DMSO, ethanol, methanol) and extreme temperatures
- For storage of samples down to -80 °C
- SBS format
- Autoclavable



### Tubes

Volume	0.65 ml						1.1 ml								
	Bulk		On rack				Bulk		On rack						
Type	Indiv. tube	8-tube strip	Indiv. tube	8-tube strip		Indiv. tube	8-tube strips	12-tube strip	Indiv. tube	8-tube strip		12-tube strip			
Sterile	No		No	Yes	No	Yes	No			No	Yes	No	Yes	No	Yes
Units/bag	960	120 strips	96	96	12 strips	12 strips	960	120 strips	80 strips	96	96	12 strips	12 strips	8 strips	8 strips
Units/box	5 x 960	5 x 120	5 x 10 x 96	10 x 96	10 x 12	10 x 12	960	120	5 x 80	960	960	10 x 12	10 x 12	10 x 8	10 x 8
Cat. No.	104422	104443	104423	104426	104444	104445	104401	104408	104446	104410	104411	104412	104413	104447	104448
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

### Plugs

Presentation	Vented				Non Vented	
	8-Cap strips		12-Cap strips		8-Cap strips	
Sterile	No	Yes	No	Yes	No	Yes
Units/bag	120	120	120	120	120	120
Units/box	120	120	120	120	120	120
Cat. No.	104424	104418	104449	104450	104451	104452
Price/box	N/A -	N/A -	N/A -	N/A -	N/A -	N/A -

### PlugMats

Cat. No.	Sterile	Units/box	Price/box
104453	No	10	N/A -
104454	Yes	10	N/A -

## Transfer Tubes 1.2 ml

1.2 ml polypropylene transfer tubes. Designed for RIA, EIA, PCR applications, quality control, blood bank or sample transport.

3 possible presentations:

- in bulk (in bags);
- in racks;
- refill system: 96-tube tray that can be loaded onto compact or robotic racks in an instant. Economic !

Racks Type:

- "robotic" type rack compatible with Tecan, Beckman, Tomtec and others. Covering lid with alphanumeric markers and condensation rings.



	Standard	With writing area
<b>Bulk</b>	077210	077217
<b>Price/ 1000 units</b>	N/A -	N/A -
<b>On a "robotic" rack</b>	077213	-
<b>Price/ 960 units</b>	N/A -	-

- Closure by cap strip
- With or without writing surface on the 1.2 ml tube
- All tubes and racks are autoclavable
- Alpha-numeric marking on the rack

### 8-Cap strips

Cat. No.	Description	Price 120 units
077226	8-cap strip	N/A -
077227	8-cap strip ,sterile	N/A -

## Square tube storage blocks

Racks of 96 square polypropylene tubes with round bottoms. Volume: 2.2 ml.

- Ideal for robotics, freezable down to -30 °C
- Low surface adsorption version for work with proteins and nucleic acids
- Covering lid

Cat. No.	Description	Units/box	Price/box
039127	Rack with 96 square tubes	10 x 96	N/A -
039128	Rack with 96 square tubes, sterile	10 x 96	N/A -
039129	Square tubes, bulk	4800	N/A -
039130	Low adsorption square tubes in bulk	4800	N/A -



