

## Genomics, PCR and Arrays

### Supplies for PCR

#### Clear-View Snap-Cap Microtubes

- Superior clarity for sample viewing
- A consistent, ring-lock seal prevents inadvertent opening
- Angled cap lid makes opening easy without thumb fatigue
- Large flat tops for ease of identification and a pierceable cap
- Large, crisp reference lines and graduation numbers
- Certified RNase/DNase free polypropylene



<b>T 3441</b>	0.6 mL, amber	1000 each
<b>T 2566</b>	0.6 mL, assorted colors	1000 each
<b>T 2691</b>	0.6 mL, blue	1000 each
<b>T 2816</b>	0.6 mL, green	1000 each
<b>T 2941</b>	0.6 mL, lavender	1000 each
<b>T 2441</b>	0.6 mL, natural	1000 each
<b>T 3066</b>	0.6 mL, orange	1000 each
<b>T 3191</b>	0.6 mL, red	1000 each
<b>T 3316</b>	0.6 mL, yellow	1000 each
<b>T 4691</b>	0.6 mL, Siliconized	500 each
<b>T 4566</b>	1.5 mL, amber	500 each
<b>T 3691</b>	1.5 mL, assorted colors	500 each
<b>T 3816</b>	1.5 mL, blue	500 each
<b>T 3941</b>	1.5 mL, green	500 each
<b>T 4066</b>	1.5 mL, lavender	500 each
<b>T 3566</b>	1.5 mL, natural	500 each
<b>T 4191</b>	1.5 mL, orange	500 each
<b>T 4316</b>	1.5 mL, red	500 each
<b>T 4441</b>	1.5 mL, yellow	500 each
<b>T 4816</b>	1.5 mL, Siliconized	250 each

#### GeNunc™ Tubes for Amplification

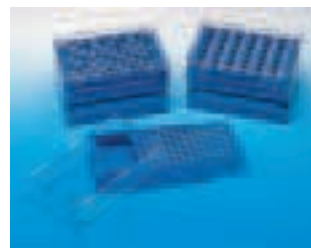
- Optimized for liquid phase PCR
- GeNunc tubes and caps are made of virgin polypropylene which can withstand temperatures from -20 °C to +122 °C
- Available in 0.2 ml strips or as 0.2 ml and 0.5 ml individual tubes
- V-shaped tubes with uniformly thin walls
- Dome-shaped lids for good contact with heated lids of cycler
- Compatible with most 0.2 ml and 0.5 thermal cycler formats
- Offers uniform heat transmission for maximum yield
- Certified RNase and DNase free



<b>T 0447</b>	volume 0.2 mL, with attached caps	1000 each
	Case of 10,000	1 case
<b>T 0322</b>	volume 0.2 mL, Strips with matching cap strip	120 each
	Case of 600	1 case
<b>T 0572</b>	volume 0.5 mL, with attached caps	1000 each

#### GeNunc Tube Tray and Holder

- P 4366 Tube Tray and Holder** 1 each  
5 each
- Workstation for PCR set-up
  - Easy to assemble
  - Standard 96 MicroWell format to hold 0.2 ml PCR tubes, strips or Nunc 96Well Amplifications
  - Plate compatible with automated handling systems
  - Removable tray can be fitted directly into the thermalcycler
  - Compatible with V-bottom 0.2 ml tube block thermal cycler formats of major manufacturers
  - Alphanumerically marked for sample identification
  - Tray fits holder in only one way to make orientation easy
  - Can be used as a storage system
  - Stackable space saving units with lid lugs for stability during storage
  - Can be used from -20 °C to +110 °C
  - Chemically resistant to weak acids and alcohols



## Genomics, PCR and Arrays

### Supplies for PCR

#### PurePak PCR microtubes

Reaching into a bulk bag of tubes can cause contamination; PurePak packaging solves this problem by dividing tubes into ten separate PurePaks. PurePaks can be opened as needed to protect unused tubes from contamination. Thin walled tubes are precision-molded with premium, non-wettable polypropylene and receive multi-point, quality inspections to ensure unsurpassed performance. Certified RNase-, DNase- and pyrogen-free.

Non-sterile

**P 3114** **volume 0.2 mL, with Flat caps** 1 pkg  
RT (thin wall) 1 case

Case of 10 packs  
 pkg of 1000 tubes

**P 3239** **volume 0.2 mL, with Dome caps** 1 pkg  
RT (thin wall) 1 case

Case of 10 packs  
 pkg of 1000 tubes

**P 3489** **volume 0.2 mL, 8 tube strips with strip caps** 1 pkg  
RT (thin wall) 1 case

Case of 10 packs  
 pkg of 1000 tubes

**P 3364** **volume 0.5 mL, with Flat caps** 1 pkg  
RT (thin wall)

Case of 10 packs  
 pkg of 1000 tubes

#### Thumbs-Up™ Microtubes

Saves fingernails from breaking and cracking. Opens with a flip of a thumb. Reduces sample contamination. Fast and easy removal from Rotors. Inner lid structure allows for pre-loading of reactants. RNase and DNase free. Fully autoclavable propylene. RCF rating of 17,000 x g. Can withstand temperatures ranging from 130°C to -196°C.



**M 8939** **volume 0.5 mL** 1000 each

**M 9064** **volume 1.5 mL** 500 each

#### Corning DNA-BIND™ Surface Multiwell plates

DNA-BIND surface covalently couples to aminated ssDNA. Suitable for hybridization assays and amplification. Polystyrene plates have a total well volume of 360 µL and 8 well strips have a total well volume of 360 µL and come pre-assembled, 12 per frame. Lids are not included.

**D 9064** **96 well, flat bottom** 10 each  
RT Corning 2505, 50 50 each  
 Corning 2525, 10

**D 9189** **8 well strip plate (12 per frame), flat bottom** 50 each  
RT Corning 2506

#### Greiner PCR Multiwell plates polycarbonate

PCR Plates have a standard microplate footprint and are compatible with thermocyclers of most major brands. DNase and RNase free and non-pyrogenic by LAL method to <0.06 EU/ml.

**P 2237** **Type 1 for Biometra and Ericomp, 96 well** 50 each

Greiner 651501

**P 2362** **Type 2 for Hybaid, 96 well** 50 each

Greiner 651550

**P 2487** **Type 3 for MJ, Coy, and Stratagene, 96 well** 50 each

Greiner 651560

**P 2612** **Type 4 for Perkin-Elmer and Thermolyne, 96-well** 50 each

Greiner 651570

**P 2737** **Type 5 for Techne, 96 well** 50 each

RT Greiner 651580

**P 2862** **Type 6 for Techne, 25 well** 50 each

RT Greiner 651585

**L 3161** **Lid for Types 1, 2, 3 and 4** 50 each

Greiner 651590

**L 3286** **Lid for Type 5** 50 each

Greiner 651595

#### Greiner PCR Multiwell plates polypropylene

PCR Plates have a standard microplate footprint and are compatible with thermocyclers of most major brands. DNase and RNase free and non-pyrogenic by LAL method to <0.06 EU/ml.

**P 1987** **96 well, no skirt** 40 each

RT Greiner 652201

**P 2112** **384 well, fullskirt** 60 each

Greiner 785201

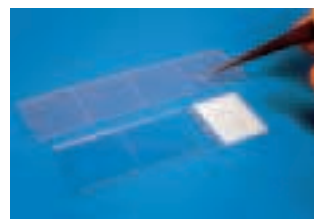
### Supplies for Arrays

#### Hybri-slips

Hybri-slips are hydrophobic cover slips for *in situ* hybridization, *in situ* PCR, and hybridization to genomic arrays on glass slides.

- **Constant probe concentration** - Unlike glass cover slips, Hybri-slips do not adsorb probes.
- **Ready-to-use** - Hybri-slips do not require pre-treatment prior to use.
- **Avoid RNA degradation** - Hybri-slips are supplied RNase-free and are protected from contamination by clean-release liners.
- **Durable** - Hybri-slips remain flat even at elevated temperatures.

pkg of 100



**Z36,590-4** **L 22 mm × W 22 mm × T 0.25 mm** 100 each

**Z36,591-2** **L 40 mm × W 22 mm × T 0.25 mm** 100 each

## Genomics, PCR and Arrays

### Supplies for Arrays

(Continuation of)

#### Hybri-slips

<b>Z37,027-4</b>	L 60 mm × W 22 mm × T 0.25 mm	100 each
<b>H 1034</b>	L 40 mm × W 24 mm × T 0.25 mm	100 each
<b>H 0784</b>	L 60 mm × W 24 mm × T 0.25 mm	100 each
<b>H 0909</b>	L 50 mm × W 45 mm × T 0.25 mm	50 each

#### Hybri-well Press-seal hybridization chambers

Hydrophobic cover slip with non-cytotoxic spacer adheres to a microscope slide, forming a chamber with access ports for addition and removal of reagents. RNase-free, heat-resistant, and disposable: ideal for hybridization. Easily removed from microscope slide after hybridization steps.



<b>H 1159</b>	chamber: diameter 13 mm × depth 0.15 mm	100 each
	Size: . . . . .	30 µL volume
<b>H 1284</b>	chamber: diameter 20 mm × depth 0.15 mm	100 each
	Size: . . . . .	30 µL volume
<b>H 1409</b>	chamber: L 32 mm × W 19 mm × D 0.15 mm	100 each
	Size: . . . . .	30-50 µL volume
<b>Z37,028-2</b>	chamber: L 40 mm × W 21 mm × D 0.15 mm	100 each
	Size: . . . . .	50-100 µL volume
<b>H 1534</b>	chamber: L 40 mm × W 22 mm × D 0.25 mm	100 each
	Size: . . . . .	180-200 µL volume
<b>H 1659</b>	chamber: L 45 mm × W 45 mm × D 0.15 mm	50 each
	Size: . . . . .	150-300 µL volume

#### Secure-Seal™ hybridization chambers

Peel-and-stick adhesive enclosures isolate specimens on glass microscope slides. Chamber design minimizes friction, promotes reagent mixing and facilitates uniform hybridization. Sealable ports in the chamber surface allow for addition and removal of reactants. Leak-proof chambers are temperature resistant and eliminate evaporation. Secure-Seal adhesive bonds chambers to glass in seconds and removes cleanly and easily even after heating. RNase-free and ready to use.



<b>C 0850</b>	chamber: diameter 9 mm × depth 0.8 mm	20 each
	chamber: . . . . .	20 µL maximum volume

<b>C 0975</b>	chamber: diameter 9 mm × depth 1.3 mm	20 each
	chamber: . . . . .	40 µL maximum volume
<b>C 1100</b>	chamber: diameter 9 mm × depth 2.3 mm	20 each
	chamber: . . . . .	100 µL maximum volume
<b>C 1225</b>	chamber: diameter 9 mm × depth 2.8 mm	20 each
	chamber: . . . . .	130 µL maximum volume
<b>C 5349</b>	chamber: diameter 13 mm × depth 0.8 mm	50 each
	chamber: . . . . .	200 each
<b>C 0475</b>	chamber: diameter 20 mm × depth 0.8 mm	40 each
	chamber: . . . . .	200 µL maximum volume
<b>C 0600</b>	chamber: diameter 20 mm × depth 1.3 mm	40 each
	chamber: . . . . .	280 µL capacity
<b>C 0225</b>	chamber: diameter 20 mm × depth 2.3 mm	40 each
	chamber: . . . . .	500 µL maximum volume
<b>C 0350</b>	chamber: diameter 20 mm × depth 2.8 mm	40 each
	chamber: . . . . .	720 µL maximum volume
<b>C 5474</b>	chamber: L 40 mm × W 22 mm × D 0.8 mm	50 each
	chamber: . . . . .	620 µL maximum volume
<b>C 0725</b>	chamber: L 45 mm × W 45 mm × D 0.8 mm	20 each
	chamber: . . . . .	1500 µL maximum volume

#### Secure-Seal™ imaging spacers

Ultra thin adhesive spacers peel-and-stick to glass coverslips or microscope slides to confine specimens without compression. Layer multiple spacers to custom build chambers to any depth. Individual spacers are 0.12 mm thick.

<b>S 7935</b>	diam. 9 mm	100 each
	8 chambers per spacer	
<b>S 7685</b>	diam. 13 mm	100 each
	1 chamber per spacer	
<b>S 7810</b>	diam. 20 mm	100 each
	1 chamber per spacer	

#### Slide Moat Microscope Slide Incubator

Ideal for use with microarray hybridizations. The apparatus has a tight-fitting tempered glass lid that seals to an integral gasket that minimizes temperature fluctuations and requires only a few drops of water to maintain a saturated atmosphere overnight. With a temperature range of ambient to 100 °C all slide warming procedures and hybridizations can be carried out with up to 30 standard (75 mm x 25 mm) microarray slides.

heating rate, ambient - 65 °C (in 20 min)  
 stability, 0.2 °C (throughout range)  
 temp. range, ambient - 100 °C  
 uniformity, 0.35 °C (at 37°C)  
 Size: . . . . . 41 cm L × 35 cm W × 15 cm H (16 in. × 13-3/4 in. × 5-3/4 in.)

<b>Z38,067-9</b>	115 V	1 each
	not available in EU	
<b>Z38,068-7</b>	230 V	1 each

# Genomics, PCR and Arrays

## Supplies for Arrays

### Cover Glasses

No. 1 thickness (0.13-0.16 mm)  
Case of 10 1-oz pkgs



<b>C 9802</b>	<b>22 mm × 22 mm</b>	1 pkg
	Pkg of approx.155 per ounce	1 case
<b>C 7931</b>	<b>24 mm × 40 mm</b>	1 pkg
	Pkg of approx.80 per ounce	1 case
<b>C 8181</b>	<b>24 mm × 50 mm</b>	1 pkg
	Pkg of approx.65 per ounce	1 case
<b>C 9056</b>	<b>24 mm × 60 mm</b>	1 case
	Pkg of approx.54 per ounce	

### Nunc™ OmniTray

Ideal for screening libraries. Polystyrene tray acts as a holder for membrane when dot blotting. Same external footprint as a 96 MicroWell™ plate. Stackable and compatible with automated equipment.



<b>O 0764</b>	<b>non-treated with lid</b>	1 case
<b>RT</b>	Sterile	
	Case of 60	
<b>O 0639</b>	<b>Maxisorp™ with lid</b>	1 case
<b>RT</b>	MaxiSorp™ surface is ideal for arraying molecules with mixed hydrophilic/hydrophobic domains such as proteins	
	Case of 60	

### BioBond™ Nylon membrane

BioBond is a neutral, supported, untreated nylon membrane especially suited for non-radioactive Southern and Northern blotting, dot blots, and colony lifts.

- Controlled 0.45 µm pore size and high void volume for minimal resistance to flow and high diffusion rates.
- Allows for high sensitivity detection in both DNA and RNA blotting.
- Nucleic acids can be bound to the membrane by either UV cross-linking or baking.
- Inherent hydrophilicity ensures instantaneous water wetting; no pre-wetting needed.
- Specially gridded interleaf for accurate cutting of rolls and sheets.

<b>N 1406</b>	<b>sheet: 11.9 cm × 7.8 cm</b>	20 each
		50 each

<b>N 4031</b>	<b>sheet: 12.5 cm × 8 cm</b>	20 each
		50 each
<b>N 3656</b>	<b>sheet: 15 cm × 20 cm</b>	10 each
<b>N 3781</b>	<b>sheet: 20 cm × 20 cm</b>	2 each
		10 each
<b>N 3906</b>	<b>sheet: 30 cm × 60 cm</b>	5 each
<b>N 4156</b>	<b>disc: 82 mm</b>	50 each
	<b>disc: 132 mm</b>	50 each
<b>N 4406</b>	<b>disc: 137 mm</b>	50 each
<b>N 1281</b>	<b>roll: 20 cm × 3.5 m</b>	1 each
<b>N 8531</b>	<b>roll: 20 cm × 12 m</b>	1 each
<b>N 1031</b>	<b>roll: 30 cm × 3.5 m</b>	1 each
<b>N 1156</b>	<b>roll: 30 cm × 12 m</b>	1 each

### BioBond-Plus™ Nylon membrane

BioBond-Plus is a positively charged, supported, derivatized nylon membrane especially suited for radioactive Southern and Northern blotting, dot blots, and colony lifts.

- Controlled 0.45 µm pore size and high void volume for minimal resistance to flow and high diffusion rates
- Superior signal-to-noise ratio for high sensitivity and extremely low background
- Strong DNA binding can be achieved without UV light or baking
- Specially gridded interleaf for accurate cutting of rolls and sheets

<b>N 5281</b>	<b>sheet: 11.9 cm × 7.8 cm</b>	20 each
		50 each
<b>N 5781</b>	<b>sheet: 12.5 cm × 8 cm</b>	20 each
		50 each
<b>B 1181</b>	<b>sheet: 12 cm × 15 cm</b>	
<b>RT</b>		
<b>N 5406</b>	<b>sheet: 15 cm × 20 cm</b>	10 each
<b>N 5531</b>	<b>sheet: 20 cm × 20 cm</b>	2 each
		10 each
<b>N 5656</b>	<b>sheet: 30 cm × 60 cm</b>	5 each
<b>N 6031</b>	<b>disc: 82 cm</b>	50 each
<b>N 6156</b>	<b>disc: 132 mm</b>	50 each
<b>N 8656</b>	<b>disc: 137 mm</b>	50 each
<b>N 5031</b>	<b>roll: 20 cm × 3.5 m</b>	1 each
<b>N 5156</b>	<b>roll: 20 cm × 12 m</b>	1 each
<b>N 4781</b>	<b>roll: 30 cm × 3.5 m</b>	1 each
<b>N 4906</b>	<b>roll: 20 cm × 12 m</b>	1 each