



1 CloneSaver™ Cards

- 96-well format for high throughput applications
- Stabilize BAC and plasmid DNA in one easy step from bacterial culture, resuspended colony, glycerol stock or purified plasmid DNA
- Clones can be rapidly screened by PCR without need for minipreps
- Plasmid DNA on Clone SaverCards is stable at room temperature for at least 4 years (real-time data)
- DNA is easily accessible for downstream applications such as transformations and PCR

GE Healthcare

Description	PK	Cat. No.
CloneSaver Resealable Multi-Barrier Pouch	50	9.971 715
CloneSaver Cards in 96-well Format	5	9.971 716
CloneSaver Starter Kit	1	9.971 717



2 FTA® Cards

FTA Classic Cards

Four sample areas for storage of up to 4 x 125µl whole blood or 4 x 75µl plant homogenate per card. Convenient for multiple applications of the same specimen or collection of multiple animal or plant samples. Also available in Indicating (pink) FTA format.

GE Healthcare

FTA Mini Card

Two sample areas for storage of up to 2 x 125µl whole blood or 2 x 75µl plant homogenate per card. Convenient for protocols that require different locations for testing and archiving samples. Also available in Indicating (pink) FTA format.

FTA Micro Card

One sample area for storage of up to 125µl whole blood or 75µl plant homogenate per card. Recommended when only one sample is needed. Also available in Indicating (pink) FTA format.

FTA Gene Card

Three sample areas in a card frame for storage of up to 3 x 75µl whole blood or 3 x 50µl plant homogenate per card. Can be run in most automatic dispensing/pipetting systems when used with the FTA Gene Card Tray.

Indicating FTA Cards:

With colour indicator that changes from pink to white when sample is applied. useful for colourless samples.

Type	Description	PK	Cat. No.
FTA Classic Card	sample area 125µl / total 500µl	100	9.971 708
Indicating FTA Classic Card	sample area 125µl / total 500µl	100	9.971 709
FTA Mini Card	sample area 125µl / total 250µl	100	9.971 710
Indicating FTA Mini Card	sample area 125µl / total 250µl	100	9.971 711
FTA Micro Card	sample area 125µl / total 125µl	100	9.971 712
Indicating FTA Micro Card	sample area 125µl / total 125µl	100	9.971 713
FTA Gene Card	sample area 75µl / total 225µl	100	9.971 714

We can supply this
manufacturer's
 whole
product range !



imagination at work

FTA Card Accessories

FTA Purification Reagent

GE Healthcare

Removes haem, PCR inhibitors, and other potential contaminants to ensure superior quality DNA for downstream analysis.

FTA Gene Card Tray

Holds two FTA Gene Cards for use in automatic liquid handling systems.

Sterile Foam Tipped Applicator

Easy-to-use applicator for the noninvasive collection and transfer of buccal cells to FTA Cards.

Harris Micro Punches, Disposable Uni-Core Punches and Cutting Mat

For the precise sample disc removal from FTA Cards. The 1.2mm punches are recommended for use with whole blood and samples with high DNA content. The 2.0mm punches are recommended for use with buccal cells, plasmids, and samples with lower DNA content.

Multi-Barrier Pouches

For transporting or storing FTA Cards. Protects cards from environmental contamination. Tamper-evident seals maintain sample security for forensic samples. A resealable pouch is also available when multiple access to FTA cards is needed.

FTA Card Mailer

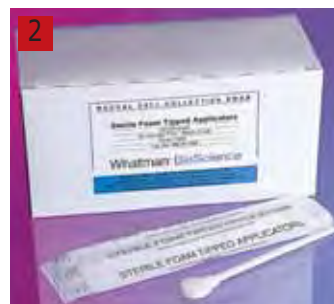
A rigid protective card mailer for transporting FTA Cards without biohazard labelling.

Storage Desiccant Packets

Ensure that FTA Cards remain dry during transport or storage. Contains indicator that changes colour to verify moisture adsorption.



9.971 718



9.971 719



9.971 725

Description	PK	Cat. No.
FTA Purification Reagent, 500 ml	1	9.971 718
FTA Gene Card Trays	20	9.971 721
Sterile Foam Tipped Applicator Swabs	100	9.971 719
Omniswab	100	9.971 732
Harris Micro Punch 1.2 mm (with Mat)	1	9.971 725
Harris Micro Punch 1.2 mm Tip	1	9.971 726
Harris UniCore 1.2 mm Punch (with Mat)	4	9.971 730
Harris Micro Punch 2.0 mm (with Mat)	1	9.971 727
Harris Micro Punch 2.0 mm Tip	1	9.971 728
Harris UniCore 2.0 mm Punch (with Mat)	4	9.971 731
Replacement Cutting Mat	1	9.971 729
Multi-Barrier Pouch, Large (for Classic Cards)	100	9.971 733
FTA Card Mailer	50	9.971 724
Desiccant (1 gm)	1000	9.971 720

4 PCR Mini cooler, PP

With transparent lid.

BRAND

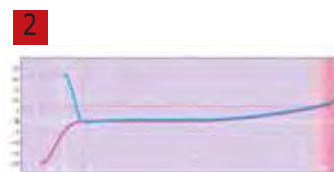
For protecting samples prior to warming. The mini PCR cooler keeps samples at 4°C for approx. 3 hours. The insulating gel changes from violet to pink at 7°C. Suitable for 0.2 ml single vessels, 8-strips, 12-strips as well as 96-well PCR plates.



Description	PK	Cat. No.
PCR Mini cooler	2	6.228 848



PCR/Tubes



1 2 PCR-Coolers

The PCR-Cooler acts as a thermochromic temperature self-indicator: pink or light-blue (depending on the model chosen) when temperature exceeds +7°C, violet or dark blue when ice-cold.

Eppendorf AG

Description

The new Eppendorf PCR-Cooler reliably maintains a sample temperature of 0°C* for over an hour, changing colour when the temperature exceeds +7°C. Better than an ice bath, PCR-Cooler is simple to handle, space-saving and contamination-free, making it the perfect preparation for PCR reactions. The temperature of single tubes is indicated by the colour of the respective individual apertures. Furthermore, samples are prevented from freezing by the specially developed cone contour. Eppendorf PCR-Cooler: the cooling unit in the universal 96-well format for 0.2ml and 0.5ml PCR tubes, for tube strips, plates and for individual tubes. The Eppendorf PCR-Cooler is a compact, innovative solution for protecting, transporting and storing sensitive samples and obviously also ideal for safely stopping reactions.

Application note.

By changing colour from violet to pink or dark blue to light blue, the PCR-Cooler shows when the temperature has exceeded +7°C. The crucial factor for sample cooling is the well colour in the PCR-Cooler.

Description	PK	Cat. No.
PCR-Cooler, 0.2ml starter set (1 x pink, 1 x blue)	1	9.283 576
PCR-Cooler, 0.2ml pink	1	9.283 577
PCR-Cooler, 0.2ml blue	1	9.283 578
PCR tubes, 0.2ml, transparent	1000	9.283 579
twin.tec PCR Plate 96 semi-skirted, transparent	25	9.283 595
twin.tec PCR Plate 384 skirted, transparent	25	9.283 596

* With 2 hours precooling at -20°C.



3 96-Well PCR Rack, PP

Removable hinged lid lies flat. Perfect for pre- or post-PCR sampling. Sturdy polypropylene rack accommodates individual 0.2ml tubes or strips of 8 or 12 tubes. Tube wells are easily identified with embossed numbers and letters. Dimensions (L x W x H): 130 x 98 x 33mm. Autoclavable.

Heathrow Scientific

Colour	PK	Cat. No.
blue, green, pink, yellow, orange	5	9.409 661

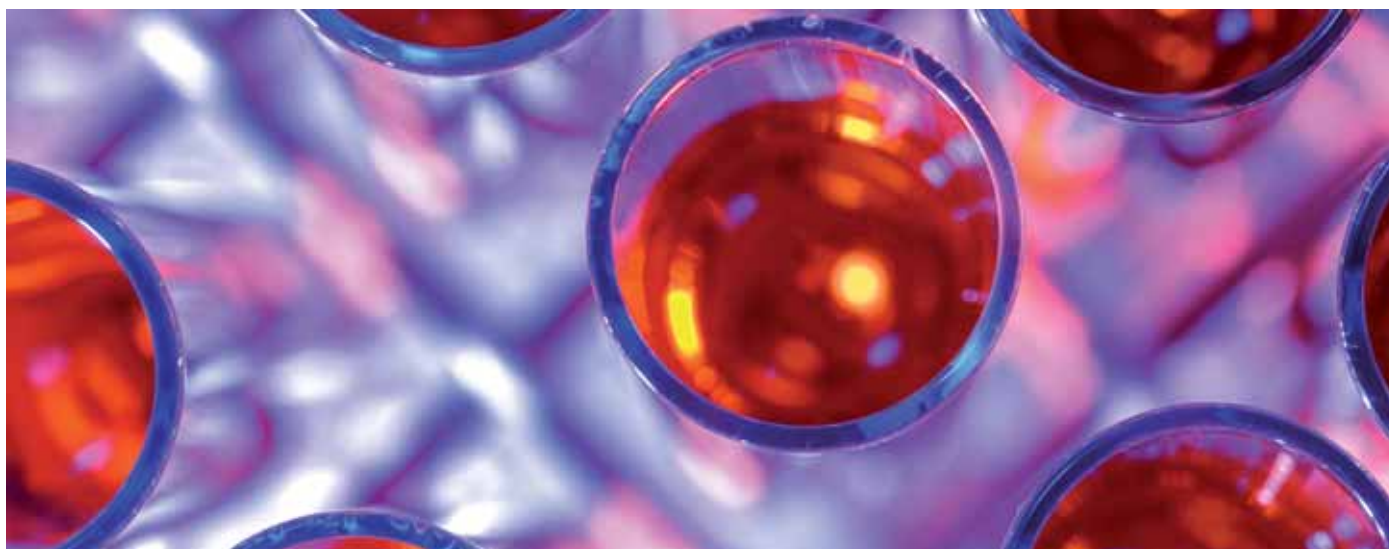


4 PCR box and PCR rack

The rack can be fitted into the box. Together, they create an ideal workstation for 0.2 ml PCR tubes, available in individual, 8-tube strip or 96-well plate formats. The box with transparent lid can be stacked to save space and is temperature resistant from -80 to +121°C. Assorted colours (red, yellow, purple, green, blue).

BRAND

Description	PK	Cat. No.
PCR-Box /-Rack	5	9.409 379



LLG-PCR Tubes and Plates, PP

- Premium quality
- Produced in a cleanroom environment
- RNase-, DNase-, Human DNA- and Pyrogen-free
- Virgin Polypropylene
- Compatible with all major thermal cyclers

1 2 LLG-PCR tubes with attached lids, PP



- individual tubes
- 0.2ml or 0.5ml
- maximum tube capacity: 0.25ml or 0.6ml when closed
- individual attached flat or domed snap caps
- virgin polypropylene, certified RNase, DNase and endotoxin free

Description	PK	Cat. No.
0.2 ml, single, flat cap	1000	9.407 501
0.2 ml, single, domed cap	1000	9.407 502
0.5 ml, single, flat cap	1000	9.407 504
0.5 ml, single, domed cap	1000	9.407 505

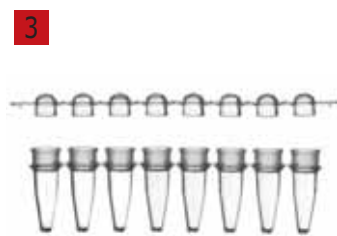


LLG-PCR-Tubes, 8 Strips, PP



- for 0.2ml thermal cycler blocks
- detached cap strips can be used as individual tubes when cut
- with domed or flat caps
- virgin polypropylene, certified RNase, DNase and endotoxin free

Description	PK	Cat. No.
8 PCR tube strips plus detached cap strips, domed caps	250	9.407 503
8 PCR tube strips plus detached cap strips, flat caps	250	9.407 514
8 PCR tube strips with individually attached flat snap caps	250	9.407 515
8 PCR tube strips with individually attached domed ultra clear snap caps	250	9.407 516



9.407 503



9.407 514



9.407 515



9.407 516

7 PCR® Transfer Tray, PP



Handy when using with thermal cyclers. A time-saver for anyone working with individual 0.2ml tubes or strips of 8 or 12 tubes. Moving the 0.2ml tubes to the thermal cycler is super-simple with this tray: Just use handles to lift and carry. Transfer tray is a thin strip of plastic designed to rest perfectly over a 96-well tube rack. Made out of high-impact polypropylene. Assorted colors: blue, green, purple, yellow, and orange. Dimensions (L x W x H): 114mm x 74mm x 11mm.

Heathrow Scientific



Colour	PK	Cat. No.
blue, green, purple, yellow, orange	5	6.241 495
natural	1	6.241 496

PCR/Tubes



9.409 370



9.409 372

PCR Tubes attached cap

0.2ml and 0.5 ml PCR tubes of PP with attached caps are compatible with leading thermal cyclers with heated lids. Unique cap design ensures fit and helps reduce sample evaporation. Consistent tube wall thickness allows rapid heat transfer along the entire exterior tube surface. Made of pure, virgin polypropylene, free from RNase-, DNase- and DNA. Autoclavable (121°C). BRAND

Description	PK	Cat. No.
0.2 ml, single, clear, domed cap	1000	9.409 370 1
0.2 ml, single, pink, flat cap	1000	9.409 280
0.2 ml, single, yellow, flat cap	1000	9.409 281
0.2 ml, single, green, flat cap	1000	9.409 282
0.2 ml, single, blue, flat cap	1000	9.409 283
0.2 ml, single, clear, flat cap	1000	9.409 371
0.5 ml, single, pink, flat cap	1000	9.409 284
0.5 ml, single, yellow, flat cap	1000	9.409 285
0.5 ml, single, blue, flat cap	1000	9.409 287
0.5 ml, single, green, flat cap	1000	9.409 286
0.5 ml, single, clear, flat cap	1000	9.409 372 2



3 PCR tube strips with hinged cap strips attached

Eight 0.2 ml PCR tubes joined together in a strip with attached, hinged 8-cap strips. PP. The hinged, domed cap makes opening and closing the tubes with one hand easier. Easy-to-use, secure closure. Made in pure, virgin polypropylene, free from RNase-, DNase- and DNA. Autoclavable (121°C). BRAND

Type	PK	Cat. No.
Colourless	125	9.409 373



9.409 377

4 PCR tubes strips, PP, with attached individual caps

The strips of 8 PCR tubes with attached, flat individual caps provide an ideal protection against contamination. The highly transparent cap makes them ideal for a quantitative Real Time PCR. Available in Standard (0.2ml) or Low Volume (0.15ml). BRAND

Capacity ml	Type	Colour	PK	Cat. No.
0.15	Low Profile	transparent	120	9.409 377 4
0.20	Standard	transparent	120	6.228 560 5



6.228 560



1 Strips of 8-/12- PCR tubes plus detached cap strips, PP autoclavable, Plastibrand®



PP. Strips of 8 or 12 connected PCR tubes (0.2ml). Cap strips consisting of 8 or 12 domed caps (available separately) provide tight seal during all PCR cycles, thus protecting samples from cross-contamination. The tubes have a holding strap at one end, and the cover strips on each lid have a small lip on the side for careful, contamination-free opening. Consistent tube wall thickness allows rapid heat transfer along the entire exterior tube surface. Made of pure, virgin polypropylene, free from RNase-, DNase- and DNA. Autoclavable (121°C).

BRAND



Description	Colour	PK	Cat. No.
8 PCR tube strips, without caps	transparent	125	9.409 374
8 PCR tube strips, without caps	pink	125	9.409 620
8 PCR tube strips, without caps	yellow	125	9.409 621
8 PCR tube strips, without caps	green	125	9.409 622
8 PCR tube strips, without caps	blue	125	9.409 623
8 PCR cap strips, domed	transparent	125	9.409 375
8 PCR cap strips, domed	pink	125	9.409 624
8 PCR cap strips, domed	yellow	125	9.409 625
8 PCR cap strips, domed	green	125	9.409 626
8 PCR cap strips, domed	blue	125	9.409 627
8 PCR tube strips, with separate domed caps	clear	250	4.007 894
8 PCR tube strips, with separate flat caps	clear	250	4.007 895
12 PCR tube strips, without caps	transparent	125	9.409 628
12 PCR tube strips, without caps	pink	125	9.409 629
12 PCR tube strips, without caps	yellow	125	9.409 630
12 PCR tube strips, without caps	green	125	9.409 631
12 PCR tube strips, without caps	blue	125	9.409 632
12 PCR cap strips, domed	transparent	125	9.409 633
12 PCR cap strips, domed	pink	125	9.409 634
12 PCR cap strips, domed	yellow	125	9.409 635
12 PCR cap strips, domed	green	125	9.409 636
12 PCR cap strips, domed	blue	125	9.409 637

White PCR products for Real Time PCR



The use of real-time PCR (qPCR) is becoming increasingly widespread. The new line of white PCR products by BRAND offers significantly better results in this application than transparent tubes or plates. The different products in this line are uniformly colored with TiO₂ (titanium dioxide), so that in combination with the smooth surfaces, the optimum reflection of the fluorescence signal is provided.

BRAND

2 Strips of 8 PCR tubes, white



PP, white for qPCR. 8 connected 0.2ml tubes. Separate, flat lids are available in strips of 8. They are easy to open and close without tools. The tubes have a holding strap at one end, and the cover strips on each lid have a small lip on the side for careful, contamination-free opening.

BRAND



Description	PK	Cat. No.
Strips of 8 PCR tubes	125	7.654 202
8 PCR cap strips, flat	125	6.230 345

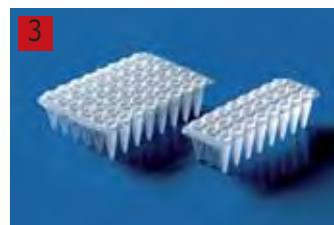
3 24 and 48 well PCR-Plates, white



White, PP. Suitable for qPCR. 0.2ml tubes.

BRAND

no. of wells	Description	PK	Cat. No.
24	non skirted	40	4.007 901
48	non skirted	20	4.007 902



PCR/Plates



9.407 507

LLG-96-well PCR Plates, PP

NEW!

- cut-away corner for orientation
- clear well bottom for sample visibility
- virgin polypropylene, certified RNase, DNase and endotoxin free

Description	Capacity µl	PK	Cat. No.
96 Well Skirted PCR Plate, low profile, PP	200	25	9.407 507 1
96 Well Non-Skirted PCR Plate, PP	300	25	6.238 061 2



6.238 061



LLG-384-well PCR plates, PP

NEW!

- maximum well volume: 40µl
- working well volume: 25µl
- cut-away corners for plate orientation
- fully skirted for use with automated systems
- holes in the skirt for easy handling
- compatible with all leading 384 block thermal cyclers
- virgin polypropylene, certified RNase, DNase and endotoxin free

Description	Capacity µl	PK	Cat. No.
384 Well Skirted PCR Plate, thin wall, PP	40	50	9.407 500



6.238 132

LLG-PCR adhesive film and foil

NEW!

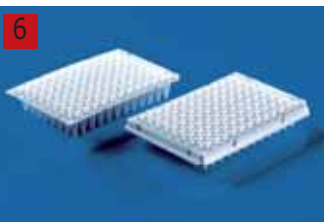
For use in cyclers with screw-down or clip-down lids. With end tabs

- PCR Film: Clear film allows both the visual inspection of samples and fluorescence measurements.
- PCR Foil: Easy to pierce, no residue of adhesive on the pipette tips.
- QPCR Foil: Adhesive seal optically clear, peelable, for QPCR and fluorescence applications.

Description	Temp. range °C	PK	Cat. No.
PCR film	-20 to +120	100	6.238 132 4
PCR foil	-80 to +150	100	9.407 506 5
QPCR foil	-40 to +120	50	6.240 725



9.407 506



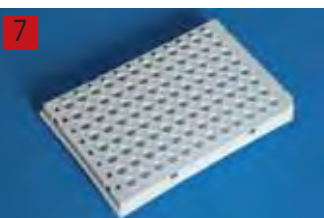
96 well PCR-Plates, white

NEW!

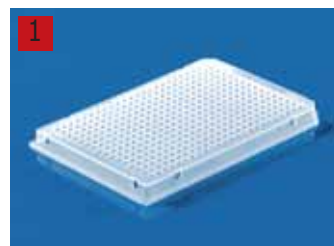
White, PP. Suitable for qPCR.

BRAND

Description	Capacity ml	PK	Cat. No.
non skirted	0.20	50	4.007 896
semi skirted	0.20	50	4.007 897
Low Profile, for LightCycler® 480 (Roche®), semi skirted	0.15	50	4.007 899
Low Profile, for LightCycler® 480 (Roche®), semi skirted, incl. films	0.15	50	4.007 900



1 384 well PCR-Plates, white	NEW!
White, PP. Suitable for qPCR. 0.03ml tubes.	BRAND
Description	PK Cat. No.
fully skirted, for LightCycler® 480 (Roche®)	50 4.007 898



PCR-plates for precise analyses

Ultra-thin wall design facilitates rapid and steady heat transfer. Smooth interior tube surface minimises binding of enzymes and nucleic acids. Raised rims of wells protect against cross-contamination and provide tight seal particularly in combination with BRAND's new sealing mats.

BRAND

2 3 PCR Plates 24/48 and 96 well, PP	BRAND
0.2ml wells. The 24 /48 well plates reduce material costs and allow work on a compact PCR plate even with small sample throughputs. The 96-well plates are standard in PCR applications. Different variants make the best use in the most common thermal cyclers	

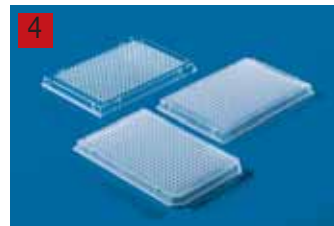


Description	PK	Cat. No.
24-well PCR plates, non skirted*	40	6.229 655
48-well PCR plates, non skirted*	20	9.409 368
96-well PCR plates, non skirted*	50	9.409 381
96-well PCR plates, semi skirted*	50	9.409 383
96-well PCR plates, skirt elevated	50	9.409 376
96-well PCR plates, fully skirted	50	9.409 378

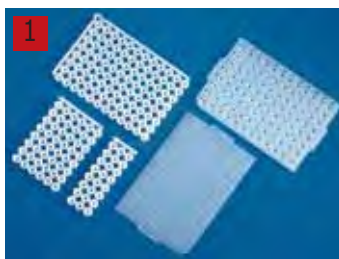
*alphanumeric coding embossed and stamped in blue



4 PCR Plates 384-well	BRAND
The 40µl wells can hold sample volumes of 2µl to 30µl. This helps to reduce reagents costs and shortens cycle times. The plates can be filled using conventional multichannel pipettes or automated systems.	



Description	PK	Cat. No.
384-well PCR plate, fully skirted, PP	50	9.409 391
384-well PCR plate, fully skirted, PP	50	9.409 306
384-well PCR plate, fully skirted, rigid plate	50	9.409 307



1 PCR Sealing Mats

PCR sealing mats have been designed to fit BRAND PCR plates exactly and reduce evaporation losses by up to 75% compared to conventional systems. They are characterised by their high flexibility, tight sealing, autoclavability and are easily pierced by pipette tips.

BRAND

Description	Material	PK	Cat. No.
Sealing mat for 24-well PCR plates	TPE	10	9.409 369
Sealing mat for 48-well PCR plates	TPE	10	6.230 903
Sealing mat for 96-well PCR plates	TPE	5	9.409 384
Sealing mat for 96-well PCR plates	Silicone	10	9.409 360
Sealing mat for 384-well PCR plates	Silicone	10	9.409 311

LLG storage plates, PP

- produced in a cleanroom environment
- RNase-, DNase-, Human DNA- and Pyrogen-free
- virgin Polypropylene
- choice of well-types

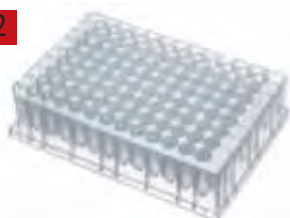
LLG-96-well storage plates, PP

NEW!

- cut-away corner for orientation
- resistant to DMSO and low temperatures (-196°C)
- virgin polypropylene, certified RNase, DNase and endotoxin free

Description	Capacity µl	PK	Cat. No.
96 Well Storage Plate, round caps, with V-Bottom	800	50	9.407 508 2
96 Deep Well Storage Plate, round caps, with U-Bottom	1200	50	9.407 509 3
96 Deep Well Storage Plate, square caps, with U-Bottom	2200	50	9.407 511 4

2



9.407 508

3



9.407 509

4



9.407 511

5



5 LLG-Sealing mats for 96-well storage plates

NEW!

- autoclavable
- not-piercable, not DMSO resistant
- alphanumeric grid
- thermoplastic elastomer
- flexible with end tabs
- with round or angled nodules

Description	For	PK	Cat. No.
Sealing Mat with round nodules for 96 round well plates	9.407 508 / 9.407 509	50	9.407 513
Sealing Mat with angled nodules for 96 angled well plates	9.407 511	50	9.407 517

6



6 LLG-384-well storage plates

NEW!

- 384 square wells
- pyramidal well bottom for optimal sample retrieval
- raised rims for optimal sealing and reduced risk of cross-contamination
- raised rims on the corners to protect edges of seals

Description	Capacity µl	PK	Cat. No.
384 Well Storage Plate, with V Bottom	120	50	9.407 510
384 Well Storage Plate, with V Bottom	300	50	9.407 512

1 Clear Seal 3730**NEW!**

Thin clear Polyester backed film forming a piercable seal to PP, PS and COC plates.

Application: Abi 3730 capillary sequencing. Quantitative PCR. Not peelable.
 Sealing: 1 sec 170 to 175°C
 Seal Integrity: -80°C to +80°C, 110°C with PCR lid pressure

Type	PK	Cat. No.
Clear Seal 3730, 1000 sheets on perforated roll	1	9.776 009

**2 Pierce Seal****NEW!**

PP and PS microplates. Excellently piercable. Very good solvent/DMSO resistance.

Application: Compound storage, PCR
 Automated workflows: Piercing and oversealing possible
 Sealing: 2 to 3 sec 170 to 175°C
 Seal Integrity: -80°C to +120°C. Not peelable

Description	PK	Cat. No.
Pierce-Seal (125 x 78mm)	100	9.776 005

**3 Foil Seal****NEW!**

PP and PS microplates. Piercable and Peelable. Good solvent/DMSO resistance.

Application: Compound storage, PCR
 Automated workflows: Piercing and oversealing possible
 Sealing: 2 to 3 sec 170 to 175°C
 Seal Integrity: -80°C to +120°C

Description	PK	Cat. No.
Foil-Seal (125 x 78mm)	100	9.776 006

**4 Clear Seal****NEW!**

For PP, PS and COC microplates. Transparent, Peelable.

Application: Quantitative PCR, fluorescence/colorimetric optical assays.
 Sealing: 2 to 3 sec 170 to 175°C
 Seal Integrity: -80°C to +110°C, PCR with pressure lids

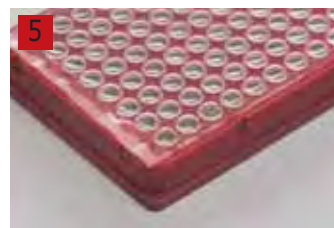
Description	PK	Cat. No.
Clear Seal (125 x 78mm)	100	9.776 007

**5 Clear Seal MkII****NEW!**

Clear Polyester backed film, with non peelable seal on Polypropylene microplates.

Application: Quantitative PCR, optical assays, Roche Lightcycler480, waterbath cycling.
 Sealing: 2 to 3 sec 170 to 175°C.
 Seal Integrity: -80°C to 110°C

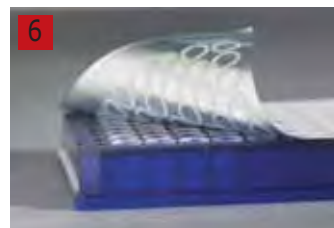
Description	PK	Cat. No.
Clear weld Seal Mark II (125 x 78mm)	100	9.776 008

**6 DMSO Resistant Peel Seal****NEW!**

Polyester/Aluminium laminate. Peelable. PP and COC microplates.

Application: Compound storage. 100% DMSO resistance at room temp. Good on 1536well plates
 Sealing: 2 to 3 sec 170 to 175°C
 Seal Integrity: -80°C to +80°C

Type	PK	Cat. No.
DMSO Resistant Peel Seal, on perforated roll	100	9.776 010




1

1 Peel Seal

NEW!

PP microplates. Excellently peelable. Moderate solvent resistance.

Application: -20°C compound storage. Short term room temperature compound storage. PCR
 Sealing: 2 to 3 sec 170 to 175°C
 Seal Integrity: -80°C to +110°C, PCR with pressure lids

Description	PK	Cat. No.
Peel-Seal (125 x 78mm)	100	9.776 004


2

2 Thermal Sealer 4s2

First automated heat sealer for sheetwise operation in the price range of manual sealers. Complete control of all sealing variables, i.e. temperature, sealing time and pressure. 100% reproducibility of sealing results. Superior flatness; even sealing result across the complete plate. Simple operation, closing of the draw initiates the sealing process. For all plate types up to 50mm height without adjusting the instrument. Widest selection of heat sealing materials for various applications, requirements and plate materials: PCR, sample storage, cell culture. Heat, cold or chemical resistance. Peelable or pierceable. Optical transparency. Polypropylene or Polystyrene plates.

Weight: 9kg
 Dimensions (WxDxH): 181 x 275 x 310mm
 Voltage: 110/230V
 Power: 300W
 Sealing Temperature: 130 to 190°C

Description	PK	Cat. No.
Thermal Sealer 4s2	1	9.776 000
Adapter for standard 96-well and 384-well plates	1	9.776 001
Adapter for 96-well PCR plates	1	9.776 002
Seal Platten to hold down sealing sheets that have a tendency for curling	1	9.776 003


3

3 AccuSeal Semi-Automated Plate Sealer

NEW!

- Accepts a wide range of microplates and heat seals
- User-friendly control system
- Large digital display shows all operating parameters
- Adjustable sealing temperature: 100°C to 190°C, or no heat
- Precise temperature, timing and pressure for consistent sealing

Labnet

Specifications

Dimensions (WxDxH): 171mm x 324mm x 362mm
 Weight: 12kg
 Sealing Temperature: Off, 100 to 190°C (increments of 1.0°C)
 Temperature Accuracy: ±1.0°C
 Temperature Uniformity: ±1.0°C
 Sealing Time: 0.5 to 10 sec (incements of 0.1 sec)
 Compatible Plate Materials: PP (Polypropylene), PS (Polystyrene), PE (Polyethylene)
 Compatible Plate Types: Standard Assay Plates, Deep-Well Storage plates, PCR Plates (Non-Skirted, Semi-Skirted, Full-Skirted)
 Maximum Plate Height: 45mm
 Compatible Sealing Film Types: Foil Polypropylene laminate, Clear Polyester-polypropylene laminate, Clear polymer, Thin clear polymer, Foil-laminate, Foil

Type	Description	PK	Cat. No.
AccuSeal	includes adapters for standard and deepwell microplates, 230V	1	9.595 290
AccuSeal	adapter for sealing PCR plates	1	9.595 291

1 Thermal cyclers, TC-3000 series

Compact and easy to handle.

- alphanumeric keyboard
- selectable heated lid temperature 100°C to 115°C
- TC-3000G with temperature-gradient function 20°C to 80°C
- Peltier technology
- temperature range 4°C up to 99°C
- fast heating and cooling rates
- 80 programmes
- password protected
- pause key, stop key
- autorestart
- supplied with 1 insert block

Techné



Exchangeable insert blocks in 0.2ml and 0.5ml format available on request. 4 years warranty on the heating block with max 80.000 cycles.

Type	For PCR tubes	PK	Cat. No.
TC-3000	25 x 0,2ml	1	4.006 976
TC-3000	20 x 0,5ml	1	4.006 977
TC-3000X	48 x 0,2ml	1	4.006 978
TC-3000X	30 x 0,5ml	1	4.006 979

Purchase of this instrument conveys a limited non-transferable immunity from suit for the purchaser's own internal research and development and applied fields other than human in vitro diagnostics under non-real-time thermal cycler patents of Applied Biosystems LLC.

2 Thermal cyclers, TC-4000 series

- alphanumeric keyboard
- selectable heated lid temperature 100°C to 115°C
- Peltier technology
- temperature range 4°C up to 99°C
- fast heating and cooling rates
- 80 programs
- password protected
- pause key, stop key
- autorestart
- supplied with 1 insert block

Techné



Exchangeable insert blocks in 0.2ml, 0.5ml, 384 well and In-situ format available on request. 4 years warranty on the heating block with max 80.000 cycles.

Description	PK	Cat. No.
For 96 x 0.2 ml PCR tubes and 96well plates	1	4.006 982
For 60 x 0.5 ml PCR tubes	1	4.006 984
For 384well PCR plates	1	4.006 985
For In-situ object holders	1	4.006 986

Purchase of this instrument conveys a limited non-transferable immunity from suit for the purchaser's own internal research and development and applied fields other than human in vitro diagnostics under non-real-time thermal cycler patents of Applied Biosystems LLC.

3 Gradient thermal cyclers, TC-5000 series

- with temperature-gradient function 20°C to 70°C
- Touchscreen
- Real-Time Graph
- selectable heated lid temperature 100°C to 115°C
- Peltier technology
- temperature range 4°C up to 99°C
- fast heating and cooling rates
- 50 programs
- password protection
- pause key, stop key
- autorestart
- supplied with 1 insert block

Techné



Exchangeable insert blocks in 0.2ml, 0.5ml, 384 well and In-situ format available on request. 4 years warranty on the heating block with max 80.000 cycles.

Purchase of this instrument conveys a limited non-transferable immunity from suit for the purchaser's own internal research and development and applied fields other than human in vitro diagnostics under non-real-time thermal cycler patents of Applied Biosystems LLC.

1


1 Thermal Cycler MultiGene™ Gradient

NEW!

Labnet

MultiGene™ Gradient Thermal Cycler produces consistent, reliable results while making gradient technology affordable. This unit is extremely simple to program, compact in design and built to perform.

Specifications

Sample Capacity:	1 x 96 well plate 128 x 0.2ml strip tubes 96 x 0.2ml tubes
Programmable temp. range:	4°C to 99.9°C
Temperature control:	Calculated or block
Temp. accuracy/uniformity:	±0.5°C/±0.5°C
Heating/cooling method:	Peltier
Max. heating/cooling rate:	3°C/2°C per second
Gradient temperature range:	30°C to 99°C
Max. gradient temp. difference:	24°C
Gradient capability:	12 rows (horizontal)
Programmable lid temperature:	60 to 65°C, 100 to 115°C
Program memory:	100 complete programs
Communication:	USB and RS232 ports
Dimensions (WxDxH):	240 x 420 x 250mm
Weight:	9kg
Electrical:	120V or 240V, 50/60Hz

Description	PK	Cat. No.
MultiGene™ Gradient with 60x0.5 ml well block	1	9.595 315
MultiGene™ Gradient with 96x0,2 ml well block	1	9.595 318

Purchase of this instrument conveys a limited non-transferable immunity from suit for the purchaser's own internal research and development and applied fields other than human in vitro diagnostics under non-real-time thermal cycler patents of Applied Biosystems LLC.

2


2 Thermal Cycler MultiGene™ Mini

NEW!

Labnet

MultiGene Mini is a compact and lightweight thermal cycler, but don't let its small size fool you. This cycler is packed with features typically found only on larger thermal cyclers. Excellent accuracy and uniformity combine with fast ramping rates to provide quality results. An algorithm calculates sample temperature, based on volume, to control heating and cooling of the block. This means that samples reach programmed temperatures quickly, without any overshoot or lagging. Powerful Peltier units provide ramping rates as fast as 5°C/second.

Specifications:

Max. number of programmes:	99
Block capacities:	25 x 0.2ml tubes or 16 x 0.5ml tubes
Heated lid temperature	105°C
Max. heat/cool rate	5°C per sec/ 4°C per sec
Temp range/ uniformity:	4°C to 99°C
Dimensions (WxDxH):	218 x 285 x 178mm
Weight:	3.2kg
Electrical:	120V, 230V, 50/60Hz

Description	PK	Cat. No.
MultiGene Mini Personal Thermal Cycler with 18 x 0.5 ml tube block	1	9.595 341
MultiGene™ Mini Personal with 24 x 0.2 ml tube block	1	9.595 316



1 Digital Dry Bath AccuBlock™ Mini



Labnet

AccuBlock Mini combines digital control, a fast heating microtube block and a convenient AccuRack transfer system, all in an ultra compact footprint. With a temperature range to 100°C which can be set in increments of 0.1°C, AccuBlock Mini is suitable for a range of uses in life science, molecular biology, environmental and industrial laboratories and a variety of applications including incubation, enzyme reactions, immunoassays.

- accepts up to 12 x 1.5ml tapered microcentrifuge tubes
- with thermometer well for temperature confirmation and calibration
- microprocessor controlled heating element
- easy to read 4 digit LCD display
- built in calibration mode allows end users to calibrate the bath as needed

The included AccuRack allows quick loading or unloading of all sample tubes simultaneously. It is self standing and can be used to hold samples while they are prepared for loading. Samples can also be loaded directly into the AccuBlock™ Mini without the AccuRack.

Specifications:

Temperature range:	Ambient +5°C to 100°C, resolution 0.1°C
Temperature uniformity:	±0.1°C
Temperature accuracy:	±0.1°C
Timer:	0 - 19h 59min or continuous
Block material:	Anodized aluminum
Block capacity:	12 x 1.5ml tubes
Dimensions (WxDxH):	140 x 120 x 60mm
Weight:	1.3kg
Supply requirements:	230V 50/60Hz, or 120V 50/60Hz

Type	PK	Cat. No.
AccuBlock™ Mini	1	9.945 780



2 AccuBlock™ Digital Dry Baths

Labnet

The user calibration function allows for easy calibration to in-house standards when required. The dry bath is available as a single or dual block model. Interchangeable blocks are available to accommodate a wide variety of tubes, plates and slides. Each dry bath is supplied with a block lifter that enables the user to exchange blocks easily, even when the block is hot.

- precise microprocessor control
- broad temperature range, to 150°C
- large digital display
- easy user calibration
- single and dual block models

Specifications

Temperature range:	Ambient +5 to +150°C
Temperature uniformity:	±0.2°C
Temperature resolution:	±0.3°C
Temperature accuracy:	Microprocessor
Temperature control:	Stainless steel
Block material:	200mm x 265mm x 83mm
Dimensions (WxDxH):	2.2kg
Weight:	230V 50/60Hz, or
Supply requirements:	120V 50/60Hz

Type	PK	Cat. No.
AccuBlock Digital Dry Bath, single block	1	6.224 190
AccuBlock Digital Dry Bath, dual block	1	6.225 737



3 Accessories for Digital Dry Baths AccuBlock™

Labnet

Type	PK	Cat. No.
Block, 24 x 1.5ml tubes	1	6.224 191
Block, 20 x 2.0ml tubes	1	6.233 664
Block, 24 x 0.5ml tubes	1	6.235 417
Block, 48 x 0.2ml PCR tubes or 6 x 0.2ml strips	1	9.945 763
Block 12 x 15ml centrifuge tubes	1	9.945 764
Block 5 x 50ml centrifuge tubes	1	9.945 765





1 Incubators PCH-1 and PCH-2

Personal benchtop cooling/heating dry block for microcentrifuge tubes. The ingenious block construction, combined with the powerful Peltier module, produces very rapid cooling and heating.

Temperature range:	-10 to +100°C
Heat up, amb. to 100°C:	< 10 min
Cool down, 100°C to amb.:	< 12 min
Cool down, amb. to -10°C:	< 11 min

Grant

Type	Type	PK	Cat. No.
PCH-1	12 x 1.5ml plus 20 x 0.5ml tubes	1	9.721 009
PCH-2	20 x 1.5ml tubes	1	9.721 010



2 3 4 Block thermostats, QBA, QBD and QBH series

For controlled dry heating of test tubes, microplates and Eppendorf tubes in interchangeable aluminium blocks. The following models are available:

Grant

QBA

- analogue dial temperature setting
- two models with 1 or 2 removable/interchangeable blocks
- robustly constructed in streamlined coolwall aluminium and chemical-resistant plastic

QBD/QBH2

- Choose from three digital systems with 1, 2 or 4 interchangeable blocks (QBD models) and one digital high-temperature system (QBH2) with 2 blocks
- fast heat-up time and in-block temperature sensing capability using accessory external sensor probe
- built-in timer, programmable delayed start and RS232 output for data monitoring
- requires but does not include interchangeable QB-series blocks



Specifications

Temperature range:
Stability at 37°C:
Uniformity
within the block at 37°C:
across similar blocks at 37°C:
Supply requirements:

Models QBA1/QBA2

5 to 100°C
±1.0°C

±1.0°C
±1.0°C

230V, 50/60Hz, single phase

Models QBD1/QBD2/QBD4/QBH2

5 to 100°C, QBH2: 5 to 200°C
±1.0°C

Temperature range:
Stability at 37°C:
Uniformity
within the block at 37°C:
across similar blocks at 37°C:
Supply requirements:

±0.1°C
±0.2°C

230V, 50/60Hz, single phase

Type	Blocks accepted	Power W	Length mm	Width mm	Height mm	PK	Cat. No.
QBA1	1	150	200	230	100	1	9.852 305
QBA2	2	300	200	280	100	1	9.852 306
QBD1	1	150	200	230	100	1	9.852 307
QBD2	2	300	200	280	100	1	9.852 308
QBD4	4	600	200	380	100	1	9.852 309
QBH2	2	300	200	280	100	1	9.852 310



5 Digital block thermostats, QB for QBA, QBD, QBH series

Accessory blocks for QB series only. Interchangeable. Machined aluminium, (L x W x H) 140 x 50 x 63mm. Holes drilled as indicated.

Grant

Type	For tubes dia. mm	No. of holes	PK	Cat. No.
QB-10	10mm	24	1	9.951 661
QB-12	12mm	24	1	9.951 662
QB-16	16mm	12	1	9.951 663
QB-18	18mm	12	1	9.951 664
QB-24	24mm	5	1	9.951 665
QB-50	4 x 50ml	4	1	6.075 814
QB-H	56 x 0.2ml	24	1	9.951 666
QB-E0	24 x 0.5ml	24	1	9.951 667
QB-E1	24 x 1.5ml	24	1	9.951 668
QB-E2	24 x 2.0ml	24	1	9.951 669
QB-0	Solid block for user to drill		1	9.951 670

1 Block thermostats, QBA, QBD, QBH series, accessory covers

Block thermostats, QBA, QBD, QBH series, accessory covers. Transparent polycarbonate. Protect the operator against accidentally touching blocks whilst hot or contamination of samples from splashes. (Not required with QDP-FL microtiter blocks).

Grant

Type	Description	PK	Cat. No.
QDLS	Cover for QBA1 and QBD1	1	9.852 311
QDLL	Cover for QBD4	1	9.852 312
QDLS	Cover for QBA2, QBD2 and QBH2	1	9.852 314



5 Block Heaters, analogue and digital, Stuart

- choice of either analogue or digital models
- digital models available with either 130°C or 200°C maximum temperature
- three block model for extra capacity
- dual control models have two blocks with independent temperature control
- uniform and stable block temperatures

Stuart

Designed for the precise heating of test-tubes, microcentrifuge tubes, cuvettes and microplates. Range comprises an economical analogue model with easy to use, dial setting and advanced digital models with bright, easy to read, LED display which facilitates setting of the required temperature and also accurate monitoring of the actual temperature.

Excellent temperature stability and uniformity is maintained via sensitive, microprocessor control. Heats to 100°C in <12 mins.

Supplied complete with block extraction tool but without aluminium blocks which must be ordered separately. With BioCote, silver-based, antimicrobial protection.



9.852 300

Specifications

Temperature stability at 37°C:	±0.1°C
Uniformity within block at 37°C:	±0.1°C
Uniformity within block at 130°C:	±1°C
Electrical supply:	230V 50Hz
	SBH130 // SBH130D // SBH200D
Number of blocks:	2
Temp. range (Ambient):	+8°C to +130°C // +8°C to +130°C // +8°C to +200°C
Display type:	Calibrated knob // LED // LED
Display resolution:	10°C // 1°C // 1°C
Dimensions (WxDxH) mm:	235 x 280 x 115mm
Net weight:	2.1kg // 2.3kg // 2.3kg
Heater power:	300W



9.852 303

	SBH130D/3 // SBH200D/3
Number of blocks:	3
Temp. range (Ambient):	+8°C to +130°C // +8°C to +200°C
Display type:	LED
Display resolution:	1°C
Dimensions (WxDxH) mm:	310 x 280 x 115mm
Net weight:	3.2kg
Heater power:	450W



9.852 050

	SBH130DC // SBH200DC
Number of blocks:	2 (independent control)
Temp. range (Ambient):	+8°C to +130°C // +8°C to +200°C
Display type:	LED
Display resolution:	1°C
Dimensions (WxDxH) mm:	310 x 280 x 115mm
Net weight:	2.9kg
Heater power:	300W



Type	Description	PK	Cat. No.
SBH130	Block heater, 2 block, analogue, 130°C	1	9.852 300 2
SBH130D	Block heater, 2 block, digital, 130°C	1	9.852 301
SBH200D	Block heater, 2 block, digital, 200°C	1	9.852 302
SBH130D/3	Block heater, 3 block, digital, 130°C	1	7.624 685
SBH200D/3	Block heater, 3 block, digital, 200°C	1	9.852 303 3
SBH130DC	Block heater, 2 block, digital, dual control, 130°C	1	6.207 050 4
SBH200DC	Block heater, 2 block, digital, dual control, 200°C	1	9.852 315



1 Block heaters, Stuart SHT series, accessory aluminium blocks

Supplied singly.

Stuart

Description	PK	Cat. No.
Aluminium block for 20 x 10.5mm Ø test tubes	1	9.951 617
Aluminium block for 20 x 12.5 mm Ø test tubes	1	9.951 618
Aluminium block for 12 x 16.5 mm Ø test tubes	1	9.951 619
Aluminium block for 8 x 19.5 mm Ø test tubes	1	9.951 620
Aluminium block, solid, for user to drill as required	1	9.951 621
Aluminium block for 48 x 0.2 ml centrifuge tubes	1	9.951 622
Aluminium block for 20 x 1.5 ml Eppendorf tubes	1	9.951 623
Aluminium block for 20 x 2.0 ml Eppendorf tubes	1	9.951 624
Aluminium block for 15 x 10 mm cuvettes. Separations can be removed to take larger cells	1	9.951 625



2 Block heater ThermoStat plus

ThermoStat plus product features:

- Precise temperature control of all commonly used laboratory tubes
- Temperature control range -5°C to 99°C
- Temperature/running time can be programmed individually, up to 4 temperature levels and 4 time phases in succession
- User-friendly operation with no double-function keys
- Remote control by PC and documentation output in accordance with GLP requirements are possible via an RS 232 interface

Eppendorf AG

Accessory features: Interchangeable blocks

- Excellent heat insulation, safe to touch (no direct contact with hot surfaces)
- Interchangeable thermoblocks for 24 x 0.5 ml, 1.5 ml or 2.0 ml microtubes: Each supplied with a work rack and cooling pack for rapid cooling to 0°C (instead of an ice bath)
- Interchangeable thermoblock for microtitration plates of all well forms incl. deep well microplates; Adapter plate for 96 x 0.2 ml PCR tubes for use with the microtitration plate block
- Block with lid for headspace and other laboratory tubes with diameter 11mm to 12mm, height 30mm to 76mm
- CombiBox, interchangeable thermoblock for universal temperature control of various sizes of tubes; can be attached easily, without locking

Type	Description	PK	Cat. No.
ThermStat plus	basic unit without interchangeable thermoblock	1	9.776 695

Additional interchangeable thermoblocks are available - details on request

We can supply this
manufacturer's
 whole
product range !



1 Accessories for ThermoStat plus

Accessory features: Interchangeable blocks

Eppendorf AG

- Excellent heat insulation, safe to touch (no direct contact with hot surfaces)
- Interchangeable thermoblocks for 24 x 0.5ml, 1.5ml or 2.0ml microtubes: Each supplied with a work rack and cooling pack for rapid cooling to 0°C (instead of an ice bath)
- Interchangeable thermoblock for microtitration plates of all well forms incl. deep well microplates; Adapter plate for 96 x 0.2ml PCR tubes for use with the microtitration plate block
- Block with lid for headspace and other laboratory tubes with diameter 11mm to 12mm, height 30mm to 76mm
- CombiBox, interchangeable thermoblock for universal temperature control of various sizes of tubes; can be attached easily, without locking



Description	PK	Cat. No.
Interchangeable block for 24 x 0.5ml microtubes, with work rack and cooling pack to 0°C	1	9.776 673
Interchangeable block for 24 x 1.5ml microtubes, with work rack and cooling pack to 0°C	1	9.776 674
Interchangeable block for 24 x 2ml microtubes, with work rack and cooling pack to 0°C	1	9.776 675
Interchangeable block with cover for microtitration and deep well plates	1	9.776 696
Adapter plate for 96 x 0.2 ml PCR vessels for use with interchangeable block for microtitration plates	1	9.776 697
Interchangeable block CombiBox for various tubes, footprint 13.5 x 9.0 x 6.0 cm (W x D x H)	1	9.776 698
Interchangeable block for vessels with 11 to 11.9 mm dia., height 30 to 76 mm	1	9.776 699
Interchangeable block for 8 x 15ml Falcon tubes	1	9.776 687
Interchangeable block for 4 x 50ml Falcon tubes	1	9.776 688
Interchangeable block for 1.5ml - 2ml Cryotubes	1	9.776 689
Interchangeable block for 4 x microscope slides	1	9.776 691

2 Microtube thermoshaker PHMT

NEW!

Grant

The PHMT is a compact and versatile thermoshaker, ideal for applications requiring heating and shaking in microtubes and suitable for use in cold rooms and incubators (operating temperature range 4 to 40°C). It is effectively three instruments in one: a microtube thermoshaker, a compact benchtop incubator without shaking, a microtube shaker without temperature control. By combining the mixing operation with the incubation phase, reaction process times and operator workload are reduced and efficiency of many procedures is increased, resulting in a higher throughput.

- temperature range: ambient plus 5 to 100°C
- uniformity: ±0.1°C
- shaking speed: 250rpm to 1400rpm
- timed shaking operation: 1 min to 96 hours
- rapid heat-up
- continuous or timed operation, with alarm buzzer and automatic switch-off facility
- incl. interchangeable block PSC20 for 20 x 2.0ml microtubes



Type	For	PK	Cat. No.
PHMT- PSC-15	20 x 1.5ml	1	6.239 612
PHMT- PSC-18	20 x 0.5ml + 12 x 1.5ml	1	6.234 725
PHMT- PSC-20	20 x 2.0ml	1	9.721 034

3 Accessory blocks for Microtube thermoshaker PHMT

Grant



Type	PK	Cat. No.
Block PSC-15 for 20 x 1.5ml microtubes	1	9.721 037
Block PSC-18 for 20 x 0.5 + 12 x 1.5/2.0 ml microtubes	1	9.721 036
Block PSC-20 for 20 x 1.5/2.0 ml microtubes	1	9.721 035

1


1 Microplate thermoshaker PHMP/PHMP-4

NEW!
Grant

For 96- and 384-well plates. The PHMP is a variable speed, variable temperature microplate shaker incubator with excellent temperature uniformity across the microplate. The heated lid and base which completely cover the plate produce a controlled micro-environment. This is combined with powerful orbital shaking to produce the maximum yield from your incubations.

- Stability $\pm 0.1^{\circ}\text{C}$, uniformity $\pm 0.2^{\circ}\text{C}$
- Rapid heat-up
- Choice of two models with capacity for 2 microplates (PHMP) or 4 microplates (PHMP-4)
- variable speed: 250rpm to 1200rpm
- 2mm shaking orbit for effective mixing
- temperature range: amb. + 5 to 60°C
- timed operation: 1 min to 100 hours
- for 2 standard 96 or 384-well plates (max. 14mm height)

Type	PK	Cat. No.
PHMP	1	9.721 033
PHMP-4	1	6.227 761

2


2 Shaking Incubators VorTemp™ 56/ 1550

Labnet

VorTemp 56 is supplied with interchangeable platforms for microtubes (56 x 1.5ml tubes, or small tubes with adapters) or microplates (accepts standard and deepwell plates, up to 2.0ml). VorTemp 1550 includes platforms for 8 x 50ml and 18 x 15ml tubes. The shaker in the VorTemp 56 may be turned off, allowing the unit to be used as a static incubator.

- shake and incubate samples simultaneously
- interchangeable platforms
- broad temperature and speed range
- intelligent control with digital LED display

Specifications

Temperature range	Ambient + 5°C to 99°C
Temperature accuracy	$\pm 0.5^{\circ}\text{C}$
Speed range	
VorTemp 56	200 to 1200rpm
VorTemp 1550	200 to 900rpm
Motion/orbit	Circular/3mm
Timer	1 to 999 minutes or continuous
Capacity:	
VorTemp 56	56 x 1.5/2.0ml tubes, 4 standard or 2 deep well microplates
VorTemp 1550	18 x 15ml, 8 x 50ml tubes
Dimensions (WxDxH)	
VorTemp 56	23 x 31 x 23cm
VorTemp 1550	26 x 31 x 31cm
Weight	
VorTemp 56	11kg
VorTemp 1550	12kg
Electrical	230V 50Hz or 120V 60Hz

Description	PK	Cat. No.
VorTemp 56	1	9.945 760
VorTemp 1550	1	9.945 761
Additional platform for microtubes	1	9.945 762

3


3 Thermomixer compact

Eppendorf AG

- With thermoblock heater for 24 x 1.5ml microtubes. Supplied with a work rack and cooling pack for rapid cooling to 0°C
- very small footprint
- excellent heat insulation, safe to touch
- tubes are securely held
- very quiet during use
- short-mix operation

Description	PK	Cat. No.
Thermomixer compact	1	9.776 671