

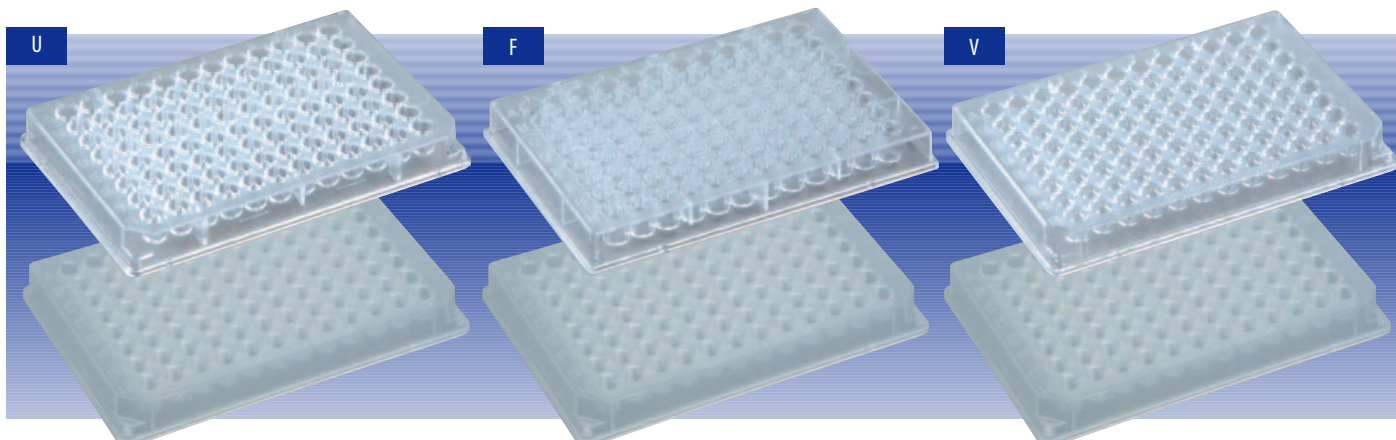
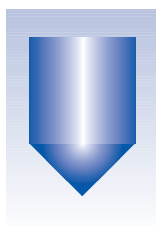
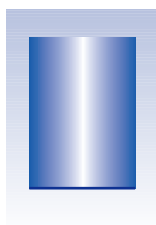
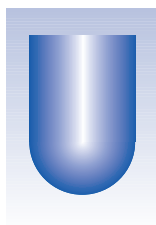
96-Well Micro Test Plates

Clear polystyrene (PS) or translucent polypropylene (PP).

- with U-, F-, or V bottom
- SBS standard micro test plate format
- 8 x 12 wells alphanumericly coded
- wells with raised rims for reduced cross-contamination and effective sealing
- precise design, perfectly shaped for use with automatic systems
- optimum space for bar code labels on the side walls
- one corner cut away for definite orientation
- stackable
- polypropylene plates may be sealed with heat sealing films without deformation



Bottom	Material	Sterility	Packaging	Quantity per Pack	Order-Number
U-bottom	PS		cardboard box 1 x 100	100	60 18 110
U-bottom	PS		bags 10 x 10	100	60 18 111
U-bottom	PS		individually in bags 100 x 1	100	60 18 112
U-bottom	PS	■	individually in bags 100 x 1	100	60 18 113
U-bottom	PP		cardboard box 1 x 100	100	60 18 120
U-bottom	PP		bags 10 x 10	100	60 18 121
U-bottom	PP		individually in bags 100 x 1	100	60 18 122
U-bottom	PP	■	individually in bags 100 x 1	100	60 18 123
F-bottom	PS		cardboard box 1 x 100	100	60 18 210
F-bottom	PS		bags 10 x 10	100	60 18 211
F-bottom	PS		individually in bags 100 x 1	100	60 18 212
F-bottom	PS	■	individually in bags 100 x 1	100	60 18 213
F-bottom	PP		cardboard box 1 x 100	100	60 18 220
F-bottom	PP		bags 10 x 10	100	60 18 221
F-bottom	PP		individually in bags 100 x 1	100	60 18 222
F-bottom	PP	■	individually in bags 100 x 1	100	60 18 223
V-bottom	PS		cardboard box 1 x 100	100	60 18 310
V-bottom	PS		bags 10 x 10	100	60 18 311
V-bottom	PS		individually in bags 100 x 1	100	60 18 312
V-bottom	PS	■	individually in bags 100 x 1	100	60 18 313
V-bottom	PP		cardboard box 1 x 100	100	60 18 320
V-bottom	PP		bags 10 x 10	100	60 18 321
V-bottom	PP		individually in bags 100 x 1	100	60 18 322
V-bottom	PP	■	individually in bags 100 x 1	100	60 18 323

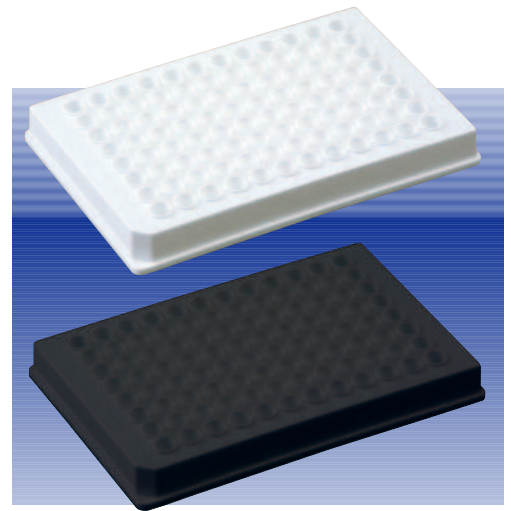


96-Well Luminescence Plates

White or black polypropylene (PP).

- with U bottom
- SBS standard micro test plate format
- 8 x 12 wells alphanumerically coded
- wells with raised rims for reduced cross-contamination and effective sealing
- precise design, perfectly shaped for use with automatic systems
- optimum space for bar code labels on the side walls
- one corner cut away for definite orientation
- stackable

Bottom	Color	Packaging	Quantity per Pack	Order Number
U-bottom	white	bags 10 x 10	100	60 18 700
U-bottom	black	bags 10 x 10	100	60 18 710

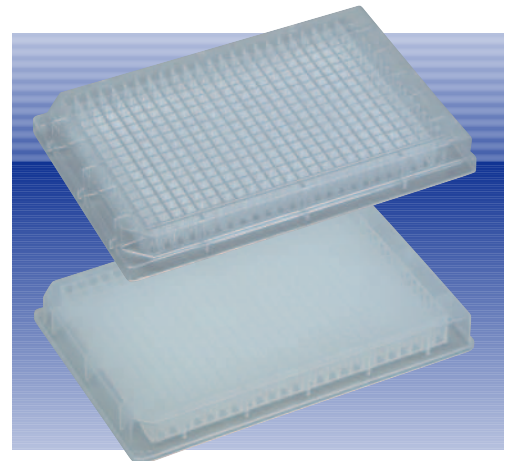


384-Well Micro Test Plates

Clear polystyrene (PS) or translucent polypropylene (PP).

- with F bottom
- SBS standard micro test plate format
- 16 x 24 wells alphanumerically coded
- precise design, perfectly shaped for use with automatic systems
- optimum space for bar code labels on the side walls
- one corner cut away for definite orientation
- stackable
- polypropylene plates may be sealed with heat sealing films without deformation

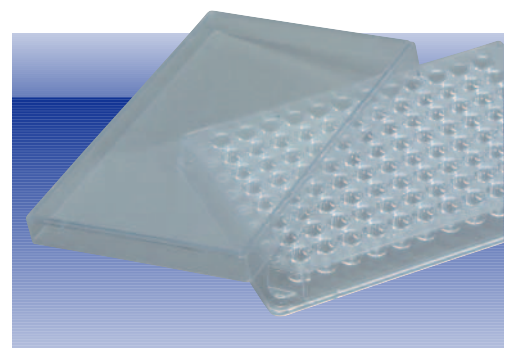
Bottom	Material	Packaging	Quantity per Pack	Order Number
F-bottom	PS	bags 10 x 10	100	60 18 511
F-bottom	PP	bags 6 x 4	24	60 18 521



Lids for Micro Test Plates

Clear polystyrene (PS) or translucent polypropylene (PP).

Material	Sterility	Packaging	Quantity per Pack	Order Number
PS		cardboard box 1 x 100	100	60 18 403
PS		bags 10 x 10	100	60 18 402
PS		individually in bags 100 x 1	100	60 18 400
PS	■	individually in bags 100 x 1	100	60 18 401
PP		cardboard box 1 x 100	100	60 18 423
PP		bags 10 x 10	100	60 18 422
PP		individually in bags 100 x 1	100	60 18 420
PP	■	individually in bags 100 x 1	100	60 18 421

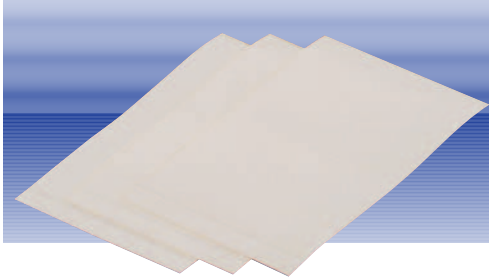


Cover Films for Micro Test and PCR Plates

Cover Films and Film Dispenser

For micro test plates, deep well blocks, micro test tubes and PCR plates.

- self-adhesive
- for manual operation
- temperature resistant from -80 to +120 °C*
- glue with high solvent resistance, specially resistant against DMSO*
- all films of SBS standard format*



Polyethylene Peeling Cover Film

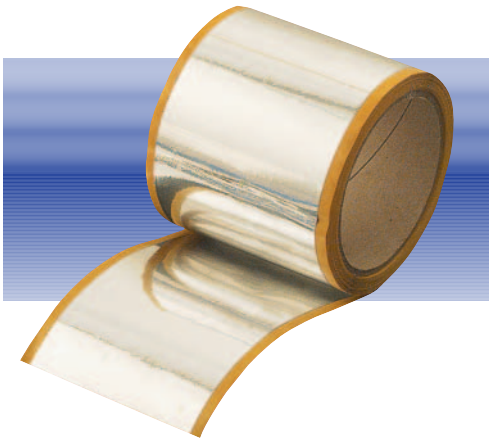
- low-cost film for polystyrene plates
- can be removed without any residues
- ideal for the storage of plates at room temperature

Aluminum Universal Cover Film

- can be easily removed
- ideal for piercing
- for polystyrene and polypropylene plates
- also for use with micro-racks and critical PCR plates

Polypropylene Peeling Cover Films

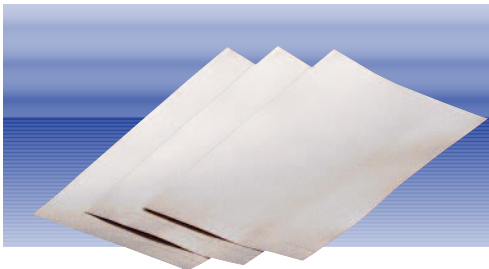
- can be removed without any residues and repeatedly used
- for polystyrene and polypropylene plates
- very good suitable for PCR plates
- lower limit for photometer plates 276 nm



Film Dispenser

- manually operated
- for the safe and tight sealing of plates

Further films on request.



Product	Material	Packaging	Quantity per Pack	Order Number
polyethylene peeling cover film	PE	pack 1 x 100	100	60 18 610
aluminum universal cover film	Al	pack 1 x 100	100	60 18 611
polypropylene peeling cover film	PP	pack 1 x 100	100	60 18 612
film dispenser	-	1	1	60 18 613

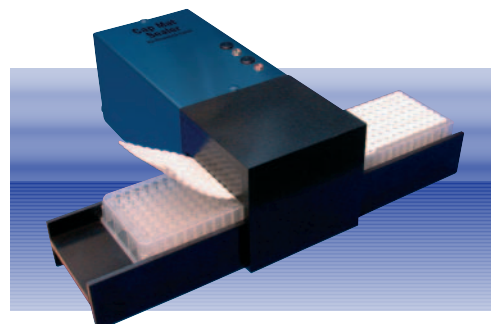
* except of order number 60 18 610

Film Sealing Instruments and Cover Films

Sealing Instrument for Cover Mats, Cap Mat Sealer

Electrically operated instrument for the sealing of micro test plates, micro tubes, special plates and cassette systems with cover mats.

- very easy handling
- fast operation
- safe sealing

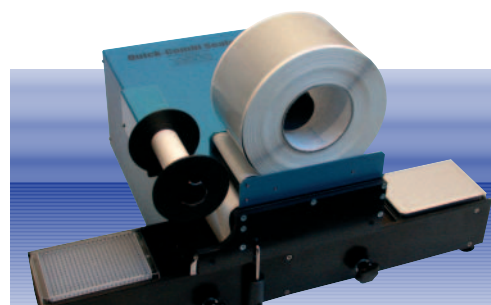


Product	Mains	Quantity per Pack	Order-Number
Cap Mat Sealer	230 V	1	60 18 600

Micro Test Plate Sealing Instrument, Quick Combi Sealer

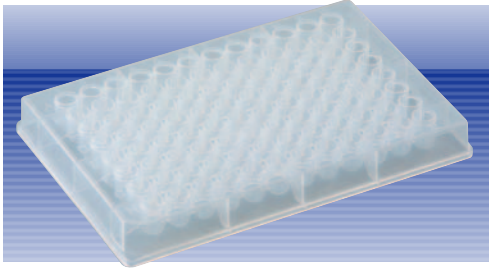
Semi-automatic instrument for the sealing of micro test plates of all kind with cover films.

- films and glue proved resistant against DMSO
- very easy handling
- fast operation, seals a single plate within 4 seconds
- low-priced films of aluminum and plastics for peeling and piercing
- 100 m rolls sufficient for approx. 780 plates



Product	Packaging	Quantity per Pack	Order Number
Quick Combi Sealer	1	1	60 18 615
cleansing spray for Sealer	1 bottle	1	60 18 601
aluminum piercing cover film for sealers	roll of 12.5 m	1	60 18 602
aluminum peeling cover film for sealers	roll of 12.5 m	1	60 18 614
aluminum peeling cover film	roll of 100 m	1	60 18 603
aluminum peeling and piercing cover film	roll of 100 m	1	60 18 604
polyolefin peeling cover film	roll of 100 m	1	60 18 605
polyolefin cover film, gas permeable, for sealers	roll of 100 m	1	60 18 606
nonwoven cover film gas permeable	roll of 100 m	1	60 18 607
polypropylene peeling cover film	roll of 100 m	1	60 18 608

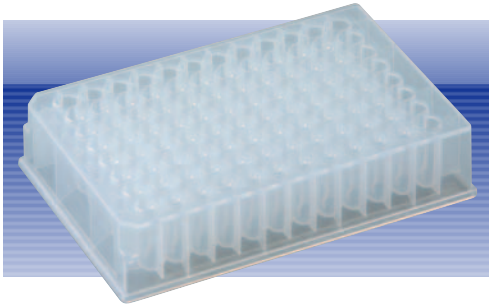
Life-Science Deep Well Blocks



ratiolab® Low Profile 96-Well Deep Well Blocks

Clear polypropylene (PP).

- just half as high as standard deep well blocks
- SBS standard micro test plate format
- well with significantly larger cross section
- wells with raised rims for reduced cross-contamination
- improved visual control due to clear polypropylene
- autoclavable at 121 °C, 20 min
- 8 x 12 wells, alphanumerically coded, micro test plate format
- precise design, for use in automatic pipetting systems for High Throughput Screening (HTS)
- optimum space for bar code labels on the side walls
- stackable

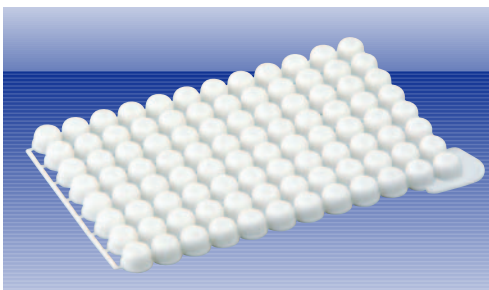


Volume per Well	Material	Packaging	Quantity per Pack	Order Number
0.3 ml	PP	cardboard box 1 x 100	100	81 01 003



1.2 ml	PP	cardboard box 1 x 50	50	81 01 012
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2.2 ml	PP	cardboard box 1 x 50	50	81 01 022
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Closures for ratiolab® 96-Well Deep Well Blocks

For the air-tight closure of ratiolab® 96-well Deep Well Blocks.

- for 0.65 / 1.2 / 2.2 ml 96-Deep Well Blocks

Product	Material	Packaging	Quantity per Pack	Order Number
96-well cover mat	TPE	cardboard box 10 x 10	100	81 01 101

Life-Science

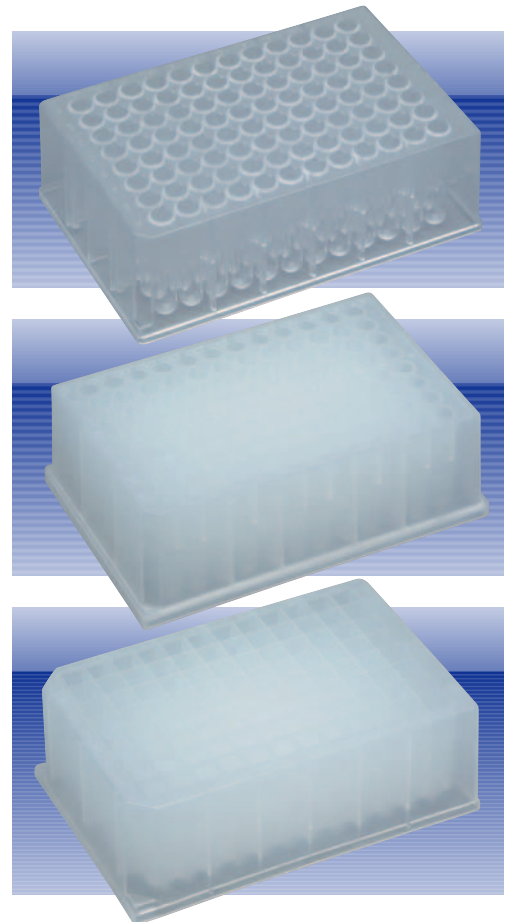
Deep Well Blocks

96-Well Deep Well Blocks

Clear polystyrene (PS) or translucent polypropylene (PP).

- SBS standard micro test plate format
- deep well blocks of PP are autoclavable at 121 °C, 20 min
- 8 x 12 wells, alphanumerically coded, micro test plate format
- raised rims of wells for reduced cross-contamination and effective sealing
- precise design, for use in automatic systems for High Throughput Screening (HTS)
- optimum space for bar code labels on the side walls
- stackable

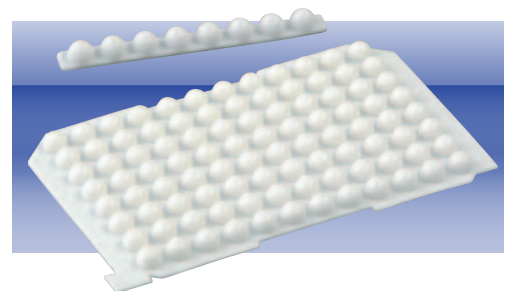
Volume per Well	Material	Packaging	Quantity per Pack	Order Number
1.2 ml	PS	bags 10 x 5	50	60 20 111
1.2 ml	PP	bags 10 x 5	50	60 20 121
2.2 ml	PP	bags 10 x 5	50	60 20 221



Closures for 96-Well Deep Well Blocks

For the air-tight closure of 96-well Deep Well Blocks.

Product	Material	Packaging	Quantity per Pack	Order Number
1.2 ml 8-well cover strips	TPE	bags 1 x 1 000	1 000	82 00 008
1.2 ml 96-well cover mats	TPE	bags 5 x 10	50	82 00 009
2.2 ml 96-well cover mats	EVA	bags 5 x 10	50	82 00 010

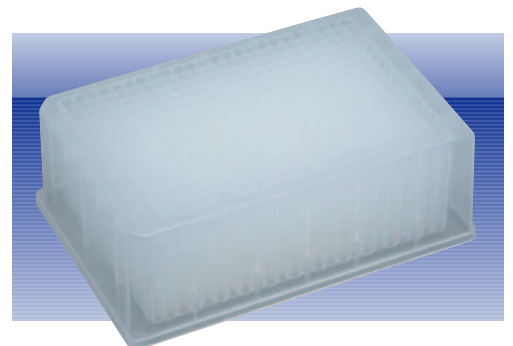


384-Well Deep Well Blocks

Translucent polypropylene (PP).

- RNase- and DNase free, non-sterile
- autoclavable at 121 °C, 20 min
- 16 x 24 wells alphanumerically coded, micro test plate format
- precise design, for use in automatic systems for High Throughput Screening (HTS)
- optimum space for bar code labels on the side walls
- stackable

Volume per Well	Material	Packaging	Quantity per Pack	Order Number
0.3 ml	PP	1 x 48	48	60 20 320



PCR Tubes

Pure polypropylene (PP).

- rapid and homogeneous heat transfer due to consistently ultrathin wall design
- perfect fit, compatible with all major brands of thermocyclers due to most precise production
- DNase-, RNase- and DNA-free
- variety of tight closures available to reduce sample evaporation

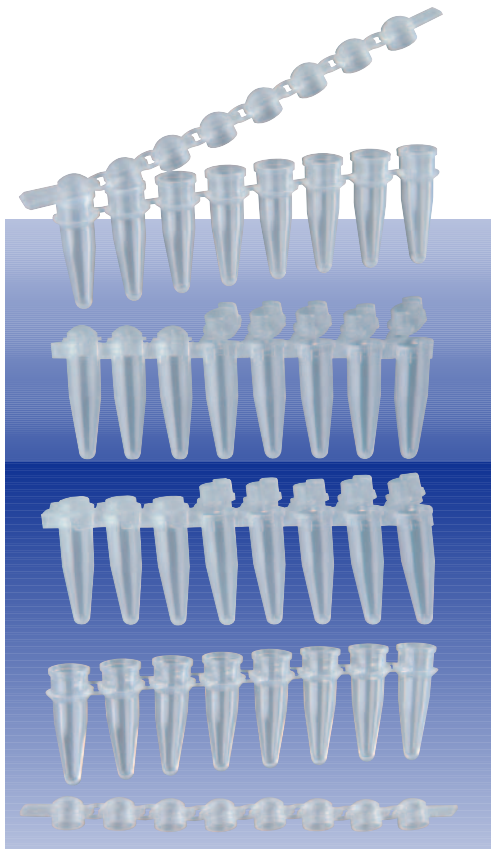
The Polymerase Chain Reaction (PCR) is covered by patents of Hoffmann-La Roche



PCR Tubes, single

- volume 0.2 or 0.5 ml
- with attached cap, flat or domed
- caps designed for tight sealing, easy to open and to close

Volume	Caps	Packaging	Quantity per Pack	Order Number
0.2 ml	domed	bags 1 x 1 000	1 000	86 10 001
0.2 ml	flat	bags 1 x 1 000	1 000	86 10 006
0.5 ml	domed	bags 1 x 1 000	1 000	86 10 005
0.5 ml	flat	bags 1 x 1 000	1 000	86 10 007



PCR Strips of 8 Tubes

- volume 0.2 ml
- with attached domed cap strips or for use with detached 8-cap strips
- caps designed for tight sealing, easy to open and to close

Volume	Cap Strips	Packaging	Quantity per Pack	Order Number
with attached 8-cap strips				
8 x 0.2 ml	domed	bags 1 x 125	125	86 10 004
with attached individual caps				
8 x 0.2 ml	domed	bags 1 x 125	125	86 10 039
8 x 0.2 ml	flat	bags 1 x 125	125	86 10 040
for separate 8-cap strips				
8 x 0.2 ml	without	bags 1 x 125	125	86 10 002
8-cap strips				
8-cap strips	domed	bags 1 x 125	125	86 10 003
8-cap strips	flat	bags 1 x 125	125	86 10 015

PCR Segments

- volume 0.2 ml
- three formats: 1 x 8, 2 x 8, and 3 x 8 PCR tubes
- ideal for single, double and triple tests

Number of Tubes/ Volume	Caps	Packaging	Quantity per Pack	Order Number
1 x 8 / 0.2 ml	without	bags 1 x 100	100	86 10 016
2 x 8 / 0.2 ml	without	bags 1 x 100	100	86 10 017
3 x 8 / 0.2 ml	without	bags 1 x 100	100	86 10 018
8-cap strips	domed	bags 1 x 125	125	86 10 003
8-cap strips	flat	bags 1 x 125	125	86 10 015



96-Well PCR Racks

Work and storage rack for 0.2 and 0.5 ml PCR tubes, PCR strips, and PCR segments.

- 8 x 12 positions, micro test plate format
- available in five colors for the comfortable identification of different types of samples
- transparent lids available in two different heights

Product	Quantity per Pack	Order Number
PCR rack white	10	61 14 100
PCR rack yellow	10	61 14 101
PCR rack blue	10	61 14 102
PCR rack green	10	61 14 103
PCR rack red	10	61 14 104
lid for PCR racks, 14 mm high	10	61 14 110
lid for PCR racks, 28 mm high	10	61 14 111



Micro Centrifuge for PCR Strips

Space and energy saving micro centrifuge with reasonable power for routine centrifugations.

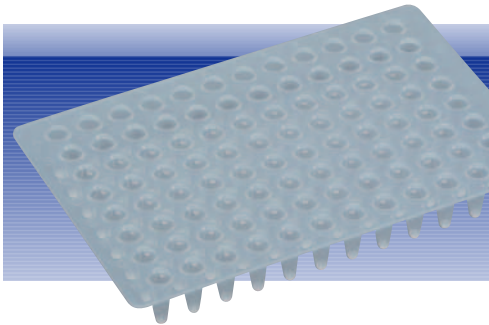
- for two PCR strips of 8 tubes, 0.2 ml or 8 microcentrifuge tubes 0.5 to 2.0 ml
- speed 6000/min, RCA 1177 x g
- lid must be closed for operation mode
- safety: the lid can only be opened when the rotor is not rotating
- rapid start and stop within seconds
- power supply 230 V, 50 Hz, 10 W
- diameter 120 mm, height 140 mm, weight 500 g
- supplied completely with two rotors for two PCR strips of 8 tubes, 0.2 ml and 8 microcentrifuge tubes 0.5 to 2.0 ml

Product	Quantity per Pack	Order Number
Micro Centrifuge with two rotors	1	71 00 006

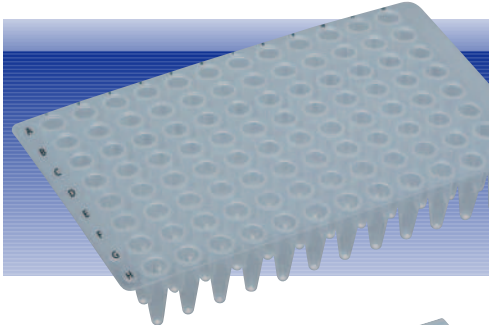


96-Well PCR Plates

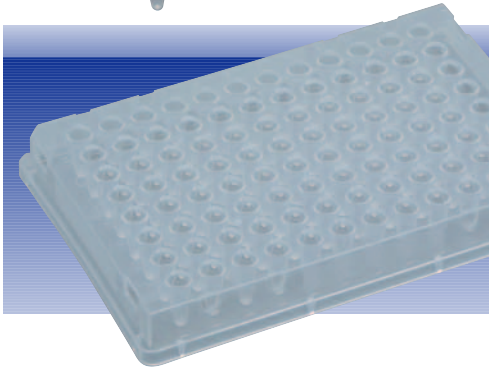
- volume 0,2 ml
- alphanumeric code for optimum sample identification
- three types available for different PCR systems
- four different closures available



Volume	Description	Packaging	Quantity per Pack	Order Number
96 x 0.2 ml	without rim, low form	bags 10 x 10	100	86 10 014



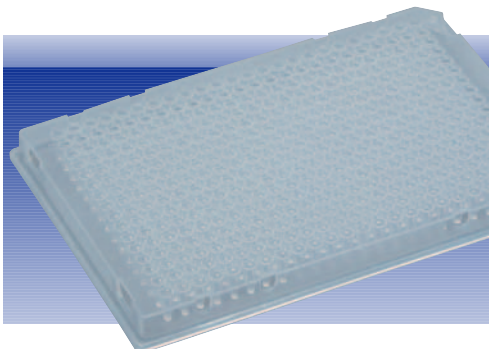
96 x 0.2 ml	without rim, high form	bags 10 x 10	100	86 10 010
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96 x 0.2 ml	with rim, high form	bags 10 x 10	100	86 10 011
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384-Well PCR Plates

- volume 30 µl
- for reduced amounts of chemicals and faster cycling processes
- alphanumeric code for optimum sample identification
- three different closures available



Volume	Description	Packaging	Quantity per Pack	Order Number
384 x 30 µl	without rim, low form	bags 10 x 10	100	86 10 012

Closures for PCR* Plates

Cover mats of silicone for 96-well PCR plates

- high flexibility
- tight fit
- easy to be pierced, even with pipet tips, self-sealing at the injection point

Cover films PCR, self-adhesive of polypropylene for 96/384-well PCR plates

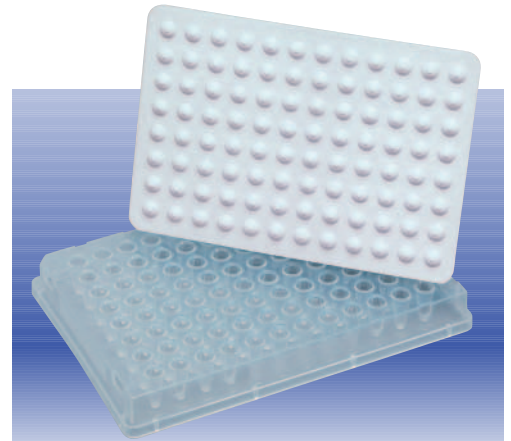
- DMSO resistant
- temperature resistant from -80 to +150 °C
- easy to be pierced, even with pipet tips

Cover films, self-adhesive of soft PVC for 96/384-well micro test plates and PCR plates

- clear
- easy to be pierced, even with pipet tips
- can be removed without any residues

Cover films, self-adhesive of aluminum for 96/384-well micro test plates and PCR plates

- high precision films for the easy covering of PCR plates



Product	Material	Packaging	Quantity per Pack	Order Number
cover mats	silicone	bags 1 x 5	5	86 10 013
cover films PCR, self-adhesive	PP	boxes 1 x 100	100	60 18 412
cover films, self-adhesive	soft PVC	boxes 1 x 100	100	60 18 410
cover films, self-adhesive	Al	boxes 1 x 100	100	60 18 411

RNase-Ex

For decontaminating surfaces from RNase.

The liquid is simply sprayed with the atomizer onto the surfaces

After a short period of time the surface is RNase free.

- mild alkaline, corrosive

Product	Packaging	Quantity per Pack	Order Number
RNase-Ex, 500 ml bottle with atomizer	1 x 1	1	10 10 11F



ratiolab® 0.65 and 1.2 ml Micro-Tubes-System

ratiolab® Micro-Tubes-System

The most practical tube system for small volume samples.

The reusable Micro-Rack serves as workstation for up to 96 Micro-Tubes placed in the SBS standard 8 x 12 micro plate format.

The 0.65 ml and 1.2 ml Micro-Tubes are available in 4 versions each:

- individual Micro-Tubes
- Micro-Tube-Strips of 8 tubes

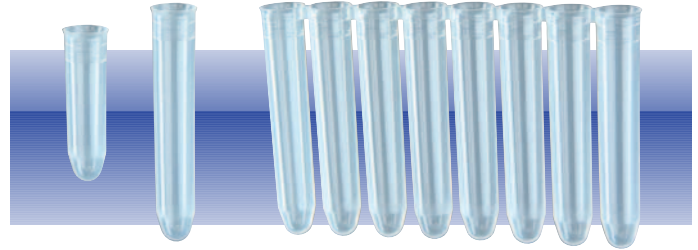
- Micro-Tube-Refills of 96 coded or non-coded Micro-Tubes placed on an 8 x 12 tray, ideal for the convenient, fast, and hygienic loading of Micro-Racks
- Micro-Racks completely loaded with 96 coded or non-coded Micro-Tubes
- For the air-tight sealing of Micro-Tubes 8-Caps Strips and 8 x 12 cover mats are available.

Micro-Tubes are autoclavable at 121 °C, 20 min

ratiolab® Micro-Tubes

Translucent polypropylene (PP) with very low protein binding.

- available as individual Micro-Tubes or Micro-Tube-Strips of 8 tubes for use with Micro-Racks
- volume 0.65 or 1.2 ml
- with round or flat bottom

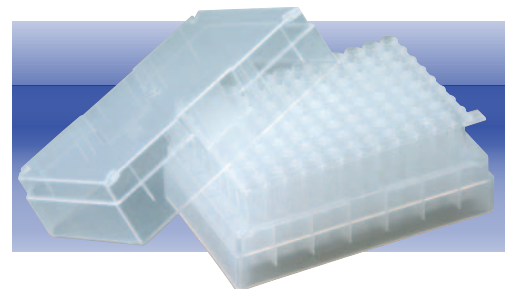


Product	Volume ml	Bottom	Packaging	Quantity per Pack	Order Number
ratiolab® Micro-Tubes, individual	0.65	round	bags 5 x 1 000	5 000	82 00 021
ratiolab® Micro-Tubes, individual	0.65	flat	bags 5 x 1 000	5 000	82 00 031
ratiolab® Micro-Tubes, individual	1.2	round	bags 5 x 1 000	5 000	82 00 001
ratiolab® Micro-Tubes, individual	1.2	flat	bags 5 x 1 000	5 000	82 00 011
ratiolab® Micro-Tube-Strips	0.65	round	bags 5 x 120	600	82 00 022
ratiolab® Micro-Tube-Strips	0.65	flat	bags 5 x 120	600	82 00 032
ratiolab® Micro-Tube-Strips	1.2	round	bags 5 x 120	600	82 00 002
ratiolab® Micro-Tube-Strips	1.2	flat	bags 5 x 120	600	82 00 012

ratiolab® Micro-Racks, loaded or empty

Micro-Racks, tray and lid of translucent polypropylene (PP).

- dustproof lid, robust design
- cut away corner at the racks for the definite positioning of Refills
- optimum space for bar code labels on the side walls
- available as empty racks or equipped with 96 coded or non-coded Micro-Tubes
- pressure tested tightness of the Micro-Tubes
- stackable, for the use with stacker instruments



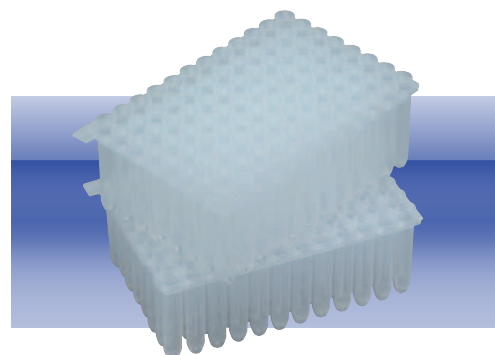
Product	Volume ml	Bottom	Packaging	Quantity per Pack	Order Number
ratiolab® Micro-Racks, loaded, non-coded	0.65	round	50 Micro-Racks of 96 Micro-Tubes	50	82 00 023
ratiolab® Micro-Racks, loaded, non-coded	0.65	flat	50 Micro-Racks of 96 Micro-Tubes	50	82 00 033
ratiolab® Micro-Racks, loaded, coded	0.65	round	50 Micro-Racks of 96 Micro-Tubes	50	82 00 024
ratiolab® Micro-Racks, loaded, coded	0.65	flat	50 Micro-Racks of 96 Micro-Tubes	50	82 00 034
ratiolab® Micro-Racks, empty	0.65	-	50 Micro-Racks of 96 Micro-Tubes	50	82 00 027
ratiolab® Micro-Racks, loaded, non-coded	1.2	round	50 Micro-Racks of 96 Micro-Tubes	50	82 00 003
ratiolab® Micro-Racks, loaded, non-coded	1.2	flat	50 Micro-Racks of 96 Micro-Tubes	50	82 00 013
ratiolab® Micro-Racks, loaded, coded	1.2	round	50 Micro-Racks of 96 Micro-Tubes	50	82 00 004
ratiolab® Micro-Racks, loaded, coded	1.2	flat	50 Micro-Racks of 96 Micro-Tubes	50	82 00 014
ratiolab® Micro-Racks, empty	1.2	-	50 Micro-Racks of 96 Micro-Tubes	50	82 00 007

ratiolab[®] 0.65 and 1.2 ml Micro-Tubes-System

ratiolab[®] Micro-Tubes Refill-System for Micro-Racks

The Micro-Tubes are placed on an 8 x 12 tray and packed in an environmentally friendly cardboard box. The loaded tray can easily be moved from the cardboard box into the empty Micro-Rack.

- cut away corner for definite positioning of Refills into Micro-Racks
- available with coded or non-coded Micro-Tubes
- for the very efficient, hygienic, and fast loading of Micro-Racks
- convenient handling and reduced waste
- pressure tested tightness of the Micro-Tubes

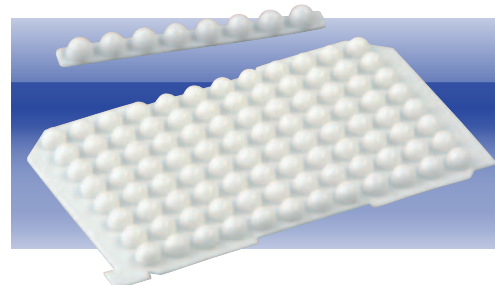


Product	Volume ml	Bottom	Packaging	Quantity per Pack	Order Number
ratiolab [®] Refill with 96 Micro-Tubes, non-coded	0.65	round	50 Refills of 96 Micro-Tubes	50	82 00 025
ratiolab [®] Refill with 96 Micro-Tubes, non-coded	0.65	flat	50 Refills of 96 Micro-Tubes	50	82 00 035
ratiolab [®] Refill with 96 Micro-Tubes, coded	0.65	round	50 Refills of 96 Micro-Tubes	50	82 00 026
ratiolab [®] Refill with 96 Micro-Tubes, coded	0.65	flat	50 Refills of 96 Micro-Tubes	50	82 00 036
ratiolab [®] Refill with 96 Micro-Tubes, non-coded	1.2	round	50 Refills of 96 Micro-Tubes	50	82 00 005
ratiolab [®] Refill with 96 Micro-Tubes, non-coded	1.2	flat	50 Refills of 96 Micro-Tubes	50	82 00 015
ratiolab [®] Refill with 96 Micro-Tubes, coded	1.2	round	50 Refills of 96 Micro-Tubes	50	82 00 006
ratiolab [®] Refill with 96 Micro-Tubes, coded	1.2	flat	50 Refills of 96 Micro-Tubes	50	82 00 016

Closures for ratiolab[®] Micro-Tubes

For the air-tight sealing of 0.65 and 1.2 ml ratiolab[®] Micro-Tubes. For sampling processes and filling the closures can be pierced with needles.

Product	Material	Packaging	Quantity per Pack	Order Number
8-Caps Strips	TPE	bags 1 x 1 000	1 000	82 00 008
8 x 12 cover mats	TPE	bags 5 x 10	50	82 00 009
aluminum universal cover film	Al	Pack 1 x 100	100	60 18 611



Cryo-Boxes for ratiolab[®] Micro-Racks

White, robust cardboard box, water repellent.

For	Type	Packaging	Quantity per Pack	Order Number
2 x 2 Micro-Racks	standard	10	10	51 49 001
1 x 3 Micro-Racks	standard	10	10	51 49 002

