

A close-up photograph of a laboratory experiment. A gloved hand holds a clear petri dish containing a green plant stem. The stem is being held by a clear plastic clip. In the background, a red liquid is visible in a glass bottle. The overall scene is brightly lit, suggesting a clean laboratory environment.

LIFE SCIENCE

MICRO TUBES, PP

The LABSOLUTE® micro tubes are made of high-quality PP and are resistant to mechanical and chemical stresses. Simple and safe opening and closing of the vessel allow safe handling for greater comfort.



- Certified DNase, RNase and pyrogen-free
- Non-sterile
- Guaranteed metal-free
- Precise graduations lines on 1.5 ml and 2.0 ml reaction vessels
- Puncturable cap
- Can be centrifuged up to 25000 x g
- Autoclavable

Volume ml	PK	Art. no.
0.5	1000	7.696 750
1.5	1000	7.696 751
2.0	1000	7.696 752

SAFE SEAL MICRO TUBES, PP

The safe seal micro tubes from LABSOLUTE® have a special locking mechanism preventing unintentional opening of the lid during applications with thermal stress.



- Frosted cover and labelling field
- Graduation for easy volume determination
- Non-sterile
- Autoclavable

Volume ml	PK	Art. no.
0.5	1000	7.696 755
1.5	1000	7.696 756
2.0	1000	7.696 757

MICRO TUBES 5 ML, PP

The LABSOLUTE® 5 ml micro tubes with attached snap-on cap are ideal for working with volumes up to 5 ml. For incubations above 80 °C, it is recommended to close the tube with the clip (7.696 749).

- Low binding variant for maximum sample recovery
- Amber vessels are ideal for light-sensitive materials
- Free from DNase, RNase and pyrogens
- Centrifugation up to 20000 x g
- Cold-resistant up to -86 °C
- Autoclavable

Description	PK	Art. no.
Transparent	100	7.696 740
Transparent, Low Binding	50	7.696 741
Amber	100	7.696 742
Clip	100	7.696 749



PCR CONSUMABLES

LABSOLUTE® offers a comprehensive range in the field of PCR consumables. These include tubes, strips of 8 tubes, 96-well plates and sealing films. In addition to the standard profile variants with 0.2 ml working volume, we also offer some low-profile versions with a working volume of 0.1 ml in the case of strips and plates.

- Suitable for all common thermal cyclers
- Optimal heat transfer and short cycle times through very thin and uniform wall thickness
- 96-well PCR plates with black alphanumeric coding
- Free of DNase, RNase and human DNA

PCR TUBES 0.2 ML

The LABSOLUTE® PCR tubes offer optimum heat transfer between the thermal cycler and the reaction mix through their extra thin and uniform vessel walls.

- Compatible with all major thermal cyclers
- Available with flat and domed caps
- Easy and safe opening and closing with one hand
- High-quality PP (metal-free)
- Free from DNase, RNase, human DNA, pyrogens and PCR inhibitors
- Autoclavable

Description	PK	Art. no.
PCR tubes, flat caps	1000	7.696 500
PCR tubes, domed caps	1000	7.696 501



STRIPS OF 4/8 PCR TUBES

The LABSOLUTE® strips of 4/8 PCR tubes offer optimum heat transfer between the thermal cycler and the reaction mix through their extra thin and uniform vessel walls.



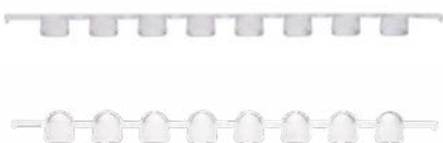
- Compatible with all major thermal cyclers
- Secure sealing reduces evaporation
- Available with flat and domed caps
- High quality PP
- Free from DNase, RNase and human DNA
- Standard profile with 0.2 ml working volume
- Low profile with 0.1 ml working volume
- Autoclavable



Description	Capacity ml	Colour	PK	Art. no.
Strips of 4 PCR tubes for Qiagen/Corbett Rotor-Gene®	0.1	Transparent	250	7.696 519
Strips of 8 PCR tubes with flat caps	0.2	Transparent	125	7.696 510
Strips of 8 PCR tubes with domed caps	0.2	Transparent	125	7.696 511
Strips of 8 PCR tubes with flat caps	0.1	Transparent	120	7.696 512
Strips of 8 PCR tubes with domed caps	0.1	Transparent	120	7.696 513
Strips of 8 PCR tubes without caps	0.2	Transparent	125	7.696 514
Strips of 8 PCR tubes with flat caps	0.1	White	120	7.696 515
Strips of 8 PCR tubes with flat, attached caps	0.2	Transparent	120	7.696 516
Strips of 8 PCR tubes with flat, attached caps	0.1	Transparent	120	7.696 517
Strips of 8 PCR tubes with domed, attached caps	0.2	Transparent	120	7.696 518

PCR CAP STRIPS

The LABSOLUTE® cap strips are made of virgin PP and seal strips of 8 tubes and 96-well plates optimally. For easy orientation, the ends are marked differently. The strips with flat caps are suitable for fluorescence measurements (e.g. qPCR).



Description	PK	Art. no.
Flat caps	300	7.696 520
Domed caps	300	7.696 521

PCR 96-WELL PLATES

The LABSOLUTE® 96-well PCR plates offer optimum heat transfer between the thermal cycler and the reaction mix through their extra thin and uniform vessel walls. The plates are sealable with adhesive films, heat sealing films and cover strips with flat and domed caps. The slightly raised rims of the individual wells reduce cross-contamination and evaporation of the samples. The black alphanumeric coding allows optimal sample distinction. All plates are free of DNase, RNase and human DNA.

96-well, skirted, low profile

Skirted 96-well PCR plates are rigid and suited for processing and transportation by automatic pipetting systems. Cut corner: H1.

96-well, semi-skirted

96-well semi-skirted PCR plates can be easily labelled or tagged with a barcode. Cut corner: A12.

96-well, for Roche® LightCycler® 480

The plates are perfect for use in LC480. Homogeneous white coloration with titanium dioxide and a smooth surface reduce interfering autofluorescence signals. Cut corner: H12.

96-well, non-skirted

96-well non-skirted PCR plates are suitable for a broad spectrum of thermal cyclers. Cut corner: H12.



Description	Capacity ml	Colour	PK	Art. no.
Skirted, low profile	0.15	Transparent	50	7.696 530
Non-skirted, standard profile	0.20	Transparent	50	7.696 535
Semi-skirted, standard profile	0.20	Transparent	50	7.696 540
Semi-skirted, standard profile, ABI® style	0.20	Opaque	50	7.696 541
Semi-skirted, low profile, for Roche LC480®	0.15	White	50	7.696 545

PCR ADHESIVE FOILS

Self-adhesive foils for safe sealing of 96-well PCR plates from LABSOLUTE® are free from human DNA and RNA, nucleases and pyrogens.



PCR adhesive foil: Polyester film with an acrylic-based adhesive, which is suitable for PCR, qPCR and other colorimetric assays, but has a low autofluorescence.

Cover and storage foil: PP foil with acrylic-based adhesive for universal closing of 96-well plates. Reliably protects the samples against evaporation and dust; removable, non-pierceable.

PCR and storage foil: The 20 µm thick aluminium foil with acrylic-based adhesive is easily pierceable without sticking the pipette tips or creating a vacuum.

qPCR adhesive foil: This qPCR foil is specially developed for qPCR applications. The pressure-sensitive adhesive is only released when the film comes into contact with the raised rims of the individual wells, thereby ensuring reliable sealing with high transparency and minimal autofluorescence.

Description	Material	Temp. range °C	PK	Art. no.
PCR adhesive foil	Polyester	-20 - 110	100	7.696 570
Cover and storage foil	Polypropylene	-20 - 80	100	7.696 571
PCR and storage foil	Aluminium	-40 - 120	100	7.696 572
qPCR adhesive foil	Polyolefin with pressure-sensitive adhesive	-80 - 100	100	7.696 573

PETRI DISHES, PS

The LABSOLUTE® Petri dishes are made of crystal-clear PS and offer high optical clarity. The dishes with three vents support gas exchange and are ideal for short incubation times. Dishes without vents are best suited for anaerobic and long-term work. The Petri dishes are prepared and packed under aseptic conditions. Sterilisation for the sterile dishes is done by beta rays.

- Perfectly stackable
- Heat-resistant up to 80 °C

CONTACT PLATES, STERILE, PS

The contact plates with counting grid are packed in sub-units of 10 plates.



Outer Ø mm	Height mm	Vents	PK	Art. no.
55	17	Yes	1000	7.696 408

PETRI DISHES, PS

Packed in sub-units of 10 plates or 20 plates ($\varnothing = 94$ mm).

Outer \varnothing mm	Vents	Sterile	PK	Art. no.
30	Yes	Yes	800	7.696 406
60	Yes	Yes	1000	7.696 404
60	No	Yes	1000	7.696 405
94	Yes	No	480	7.696 400
94	Yes	Yes	480	7.696 402
94	No	No	480	7.696 401
94	No	Yes	480	7.696 403
150	Yes	Yes	180	7.696 407



PETRI DISHES, SODA-LIME GLASS

The LABSOLUTE® Petri dishes are made of soda-lime glass and supplied in two parts. They are autoclavable at 121 °C.

Inner \varnothing^* mm	Outer \varnothing^{**} mm	Height*** mm	PK	Art. no.
34	40	12	1	7.692 000
55	60	15	1	7.692 001
75	80	15	1	7.692 002
95	100	10	1	7.692 003
95	100	15	1	7.692 004
84	90	15	1	7.692 005
95	100	20	1	7.692 006
115	120	20	1	7.692 007
142	150	25	1	7.692 008
172	180	30	1	7.692 009
193	200	30	1	7.692 010
193	200	50	1	7.692 011

* Inner diameter of the bottom plate

** Outer diameter of the upper plate

*** Height of the bottom plate



RACK FOR PETRI DISHES, ACRYLIC

The LABSOLUTE® rack for Petri dishes is suitable for 30 dishes up to a diameter of 100 mm and designed to be used on the bench or as wall installation.

- Dimensions (W x H x D): 107 x 236 x 222 mm
- Fastening material included

Description	PK	Art. no.
Rack for Petri dishes	1	7.696 365



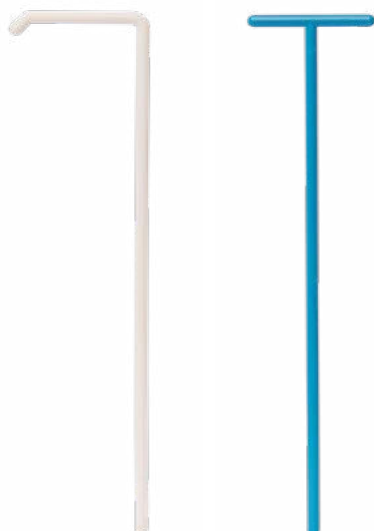


DISPOSABLE INOCULATION LOOPS, STERILE

The LABSOLUTE® disposable inoculation loops have a flexible loop at one end to inoculate soft agar culture media and a needle for picking individual colonies at the other end. The disposable inoculation loops are sterile packed to 20 pieces in a paper/plastic blister.

- Length: 195 mm
- Packed in resealable bags

Capacity µl	Colour	PK	Art. no.
10	Blue	2000	7.696 430
10	Blue	10000	7.696 420
1	White	2000	7.696 431



DISPOSABLE SPATULAS, L- AND T-SHAPED, PS

The L- and T-shaped spatulas from LABSOLUTE® are ideally suited for the uniform plating of large volumes.

- Individually packed or pack of 5 pieces
- Smooth, rounded surface
- Gamma sterile

Description	Sterile Sub-PK Pieces	PK	Art. no.
L-shape	1	500	7.696 435
L-shape	5	2000	7.696 436
T-shape	1	500	7.696 437
T-shape	5	2000	7.696 438



SPOT PLATES, PORCELAIN

The LABSOLUTE® spot plates are made of high-quality porcelain. The surface is completely glazed. Compared to the reaction plates made from plastics, the porcelain spot plates are much more resistant against influences of temperature and chemicals. Finally the spot plates are easy to clean and autoclavable.

Number of cavities	Width mm	Length mm	Bore diam. mm	PK	Art. no.
6	112	81	25	1	7.694 985
12	115	91	17	1	7.694 986

CELL CULTURE FLASKS, PS, TREATED, STERILE

The cell culture flasks from LABSOLUTE® are made exclusively of PS, corresponding to the highest international standards (USP Class VI). A short, wide and angled neck allows an easy handling while the risk of contamination is minimized. The vacuum gas plasma treatment of surfaces allows adherent cells a uniform and even cell adhesion.

- Ergonomic design for easy handling
- Short and wide sloping neck for easy access
- Easily stackable
- Both flasks sides have engraved graduation with a labelling area
- With standard screw cap or screw cap with a hydrophobic 0.22 µm filter for ventilation
- Packed upright in resealable bags
- Sterilized by radiation (SAL 10⁻⁶)



Cover type	Growth area cm ²	Working volume ml	Total volume ml	Sterile Sub-PK Pieces	PK	Art. no.
Filter screw cap	12.5	20	25	10	200	7.696 780
Filter screw cap	25.0	40	50	10	200	7.696 781
Filter screw cap	75.0	175	250	5	100	7.696 782
Filter screw cap	182.5	400	600	5	40	7.696 783
Standard screw cap	12.5	20	25	10	200	7.696 784
Standard screw cap	25.0	40	50	10	200	7.696 785
Standard screw cap	75.0	175	250	5	100	7.696 786
Standard screw cap	182.5	400	600	5	40	7.696 787

CELL CULTURE DISHES, PS, TREATED, STERILE

All LABSOLUTE® cell culture dishes are made of high-quality, optically clear PS, so that they are also suitable for microscopy.

- Effective gas exchange
- Easily stackable
- 60 mm, 70 mm and 100 mm dishes with grip ring
- Surfaces are treated with vacuum gas plasma
- Sterilized by radiation (SAL 10⁻⁶)



Ø mm	Height mm	Growth area cm ²	Sterile Sub-PK Pieces	PK	Art. no.
35	12	8.5	10	960	7.696 770
60	18	21.2	10	600	7.696 771
70	15	36.3	10	600	7.696 772
90	17	55.0	10	500	7.696 773
100	22	60.8	10	300	7.696 774
150	22	143.0	1	120	7.696 775

CELL CULTURE MULTIWELL PLATES, PS, TREATED, STERILE

The LABSOLUTE® multiwell tissue culture plates are suitable for handling multiple samples in a single experiment. From 4-well up to 96-well plates, we offer you the appropriate multiwell plate for every experiment. Numbered wells and a rounded corner in the cover reduce misplacement and facilitate identification. The vacuum gas plasma treatment of surfaces allows adherent cells a uniform and even cell adhesion.



- Evaporation is reduced by condensation rings
- Easily stackable
- Individually wrapped in paper/plastic blister pack
- Sterilized by radiation (SAL 10⁻⁶)

No. of wells	Total volume per well ml	Working volume per well ml	Growth area per well cm ²	PK	Art. no.
4	1.50	0.18 - 0.28	1.96	100	7.696 789
6	17.00	1.90 - 2.90	9.60	100	7.696 790
12	6.80	0.76 - 1.14	3.85	100	7.696 791
24	3.50	0.38 - 0.57	1.93	100	7.696 792
48	1.55	0.19 - 0.29	0.84	100	7.696 793
96	0.39	0.075 - 0.20	0.33	100	7.696 794
96 U*	0.32	0.075 - 0.20	0.32	100	7.696 795

* With round bottom

CELL SCRAPERS AND CELL LIFTERS, STERILE

The LABSOLUTE® cell scrapers and lifters enable easy and efficient cell harvest. Optimize your cell harvest by using the cell scraper for cell culture flasks and cell lifter for dishes. The handle is made of ABS and allows the controlled use of the thin, flexible blade made of TPE.



- Two different handle lengths (25 cm with 2 cm blade and 39 cm with 3 cm blade)
- Two blade positions: scraper and lifter
- Individually wrapped in paper/plastic blister packs

Description	Length mm	Blade length mm	PK	Art. no.
Cell scraper	250	20	100	7.696 760
Cell lifter	250	20	100	7.696 761
Cell scraper	390	30	100	7.696 762
Cell lifter	390	30	100	7.696 763

CELL STRAINERS

The LABSOLUTE® cell strainers are made of a strong nylon mesh and are characterized by an even distribution of the mesh pores. With the sterile cell sieves, cell suspensions can be quickly and easily filtered to collect primary cells or prepare samples for flow cytometry.

- Available in three mesh sizes: 40 µm, 70 µm and 100 µm
- Color coded for easy distinction
- Extended edge allows easy handling even with tweezers
- Individually packed, gamma-irradiated (SAL 10⁻⁶)
- DNase, RNase and pyrogen-free



Mesh size µm	Colour	PK	Art. no.
40	Blue	50	7.696 767
70	White	50	7.696 768
100	Yellow	50	7.696 769

DEEP WELL PLATES

The LABSOLUTE® Deep well Plates meet all the important requirements for a wide variety of applications in cell culture, pharmacy and molecular biology. In addition to the long-term storage of samples, the deep well plates are suitable for a variety of other applications such as cultivation of microorganisms, screening tests and extraction of nucleic acids and proteins.

The plates are made of 100 % pure polymer without additives in a class 8 clean room and are free of RNase, DNase, human DNA, endotoxins, PCR inhibitors and ATP. Due to the precise production according to ANSI/SLAS 2004 standard, the plates are ideally suited for use with robots and automated liquid handling systems. The plates made of PP offer high chemical resistance (e.g. to DMSO) and are autoclavable at 121 °C.



Description	Material	Volume ml	PK	Art. no.
Round bottom, round wells	PP	0.5	56	7.696 546
Round bottom, round wells	PP	1.2	32	7.696 547
Round bottom, round wells	PS	1.2	32	7.696 548
Round bottom, square wells	PP	2.2	32	7.696 549

SEALING MATS FOR DEEP WELL PLATES

The LABSOLUTE® sealing mats for deep well plates protect the samples against contamination and evaporation. The alphanumeric grid allows easy sample identification.



Description	For	Material	PK	Art. no.
Round caps, piercable	7.696 546 / 7.696 547 / 7.696 548	TPE	50	7.696 575
Square caps, non-piercable	7.696 549	EVA	50	7.696 576

DISPOSABLE SYRINGES, NON-STERILE, PP

The two-part, non-sterile LABSOLUTE® disposable syringes, with Luer lock connection according to DIN EN 1707 or Luer slip connection complying with DIN EN 20594-1, are fully manufactured from robust, chemical-resistant PP. They are free of latex, plasticizers and PVC. There are no rubber plunger seals or silicone lubricants that can cause contamination of your samples. The syringes are also impressive due to the safe functional back-stop feature and an easy-to-read permanent graduation.



DISPOSABLE SYRINGES, PP, LUER LOCK, NON-STERILE

Capacity ml	PK	Art. no.
2	100	7.672 433
5	100	7.643 933
10	100	6.259 211
20	100	7.672 432



DISPOSABLE SYRINGES, PP, LUER SLIP, NON-STERILE

Capacity ml	PK	Art. no.
1	100	7.657 545
2	100	7.644 125
5	100	7.644 126
10	100	7.644 127
20	100	7.644 128