

Reaction tubes



1 LLG-Microcentrifuge tubes, PP

LLG Microtubes covers standard volumes for a variety of sample tests. They are available in 1.5 ml and 2.0 ml volumes. These standard Microtubes withstand high centrifugal forces, are temperature- and chemical-resistant and guaranteed against leaks. A innovative and modern new generation of Microtubes with new features. Perfect sealing qualities, excellent chemical stability and optimal construction materials guarantee even better resistance to centrifugal and chemical forces. Easy to open and to close thanks to the improved lid geometry. For visual volume control the tubes are equipped with a graduation scale from 0.1 to 1.5 or 2.0 ml. Certified DNase-, RNase- and pyrogene free.

Non sterile, clear, in bags. Certified free of DNase, RNase, suitable for microbiology. Guaranteed metal-free. CE-certified for In-Vitro-Diagnostics acc. to 98/79/EG.

Specifications

Autoclavability

Temperature: 121°C (250°F)

Pressure: 1.05 bar or 15 psig (pounds)

Time: 20 min or less

Centrifugation

Fixed angle rotor: 25000xg

Swing out rotor: 70000xg

Capacity ml	PK	Cat. No.
0.5	1000	9.409 023
1.5	1000	9.409 024
2.0	1000	9.409 025



2 Reaction tubes, PP

Translucent polypropylene (PP), natural colour

Ratiolab

- tight sealing cap
- safe and easy to be opened and closed

Capacity ml	PK	Cat. No.
0.5	1000	6.085 184
1.5	1000	9.409 310
2.0	1000	6.510 856



9.409 301

Reaction tubes

Plastibrand®.

BRAND

PP. Transparent.

With captive cap.

Matt labelling area and approximate graduations. Integral, air-tight cap with pierceable membrane. Can be centrifuged up to 20000 xg rcf. at 20°C for max. 20min.

CE-marked according to IVD 98/79 EG.

Capacity ml	Dia. mm	Height mm	PK	Cat. No.
1.5	10.75	40.80	500	9.409 301
2.0	10.70	41.15	500	9.409 303



9.409 303



5 Reaction tubes CapLock®, PP

NEW!

TreffLab

The new CapLock® cap closure guarantees optimum tube sealing for all applications. CapLock® tubes provide enhanced sample security and stay safely closed, even in boiling water baths.

- Pyrogen-/RNase-/DNase-free, non-unsterile and cleanroom-manufactured
- moulded in transparent, medical grade, PP
- can be centrifuged up to 30000 xg
- autoclavable: at 1bar, 121°C for 15min
- with labelling area on cap and tube

Certificate of Conformity according to DIN EN 10204 2.1

Capacity ml	PK	Cat. No.
1.5	1000	9.407 700

1 2 Safe-lock reaction tubes, PP

- A small clasp on the patented cap locking device clips onto the rim of the tube
- Autoclavable when open (121°C, 20min.)
- Can be opened and closed easily with one hand
- With frosted labelling area.
- The clasp on the cap prevents the lid springing open accidentally (e.g. when heating)
- Excellent mechanical stability for centrifugation
- Graduated
- Safe-lock reaction vessels are also available in Eppendorf Biopur® Quality
- 0.5ml and 1.5ml capacity Safe-lock reaction vessels can be centrifuged up to 30 000 x g

Eppendorf AG



Capacity ml	Colour	PK	Cat. No.
0.5	Transparent	500	9.409 320
0.5	Yellow	500	9.409 354
0.5	Red	500	9.409 355
0.5	Blue	500	9.409 352
0.5	Green	500	9.409 353
0.5	Amber	500	9.409 356
1.5	Transparent	1000	9.409 331
1.5	Yellow	1000	9.409 332
1.5	Red	1000	9.409 333
1.5	Blue	1000	9.409 334
1.5	Green	1000	9.409 335
1.5	Amber	1000	9.409 336
2.0	Transparent	1000	9.409 341
2.0	Yellow	1000	9.409 342
2.0	Red	1000	9.409 343
2.0	Blue	1000	9.409 344
2.0	Green	1000	9.409 345
2.0	Amber	1000	9.409 346
0.5	Assorted colours	500	9.409 357
1.5	Assorted colours	1000	9.409 358
2.0	Assorted colours	1000	9.409 359



3 Standard reaction tubes, 3810 X, PP

- Flat, frosted cap and marking patch on the body of the tube provide generous space for labelling
- Simplified opening and closing due to improved neck/cap geometry
- Graduated from 0.1 to 1.5ml on the tube body
- Autoclavable when open (at 121°C for 20mins.)
- Can be centrifuged up to 30000 xg in fixed angle rotors (up to 70000 xg in swing-out rotors)
- Compatible with Micropestle

Eppendorf AG

Capacity ml	Colour	PK	Cat. No.
1.5	transparent	1000	9.409 317
1.5	blue	1000	9.409 337
1.5	yellow	1000	9.409 338
1.5	green	1000	9.409 339
1.5	red	1000	9.409 347



4 5 Safe-lock reaction tubes, Biopur®, sterile

Comply with the exacting requirements set by the medical, pharmaceutical and food industries, molecular biology and cell technology.

Eppendorf AG

- Sterile
- Free from pyrogens, RNase, DNA and ATP
- Independently checked and certified by an external laboratory.
- Individually blister-packed

Capacity ml	PK	Cat. No.
0.5	50	9.283 516
1.5	100	9.283 517
2.0	100	9.283 518



Reaction tubes



1 DNA LoBind Tubes

- less than 1% loss of DNA/RNA at low concentrations and critical conditions (high salt, short DNA-fragments)
- no surface coating, e.g. silicone
- free of DNA, DNase, RNase and PCR inhibitors (PCR clean)
- novel PP, manufactured under optimized conditions
- available as 0.5ml, 1.5ml and 2.0ml Safe-Lock tubes
- highly transparent
- excellent centrifugation durability (up to 18000xg)

Eppendorf AG

Capacity ml	PK	Cat. No.
0.5	250	9.409 324
1.5	250	9.409 326
2.0	250	9.409 327



2 Protein LoBind Tubes

- minimum protein loss (less than 3%, BSA 1µg/ml)
- no surface coating, e.g. silicone
- free of DNA, DNase, RNase and PCR inhibitors (PCR clean)
- novel PP manufactured under optimized conditions
- available as 0.5ml, 1.5ml and 2.0ml Safe-Lock tubes
- highly transparent
- excellent centrifugation durability (up to 18000xg)

Eppendorf AG

Capacity ml	PK	Cat. No.
0.5	100	9.409 328
1.5	100	9.409 329
2.0	100	9.409 330



3 Micro Test tubes and rack, PP, 1.2 ml

Suitable for biological examination, e.g. PCR, cell uptake studies, RIA, EIA, etc.
Functional design for storing, freezing and transporting reagents and samples.
Compatible with standard microtitre plates and suitable for work with multi-channel pipettes.

BRAND

Properties:

- 8 x 12 configuration
- Alphanumeric identification system
- Tubes and rack are autoclavable (121°C, 2 bar), according to DIN EN 285
- Tube dimensions: 8.8mm external Ø, height 45mm
- Suitable for storage up to -80°C
- Test tube capacity 1.2ml (1.1ml when capped)
- Individual tube or 8-tube strips available
- With PE cap (not autoclavable)

Type	PK	Cat. No.
Rack with 96 single test tubes, non-sterile, PP	10	9.407 605
Rack with 12 x 8-tube strips, non-sterile, PP	10	9.407 606
Test tubes, single, non-sterile, loose, PP	960	9.407 607
8-tube strips, non-sterile, loose, PP	120	9.407 608
Lid, single, non-sterile, loose, PE	960	9.407 609
8-cap strip, non-sterile, loose, PE	120	9.407 610
Rack with grid, non-sterile (empty), PP	10	9.407 611



LLG-Micropestles, stainless steel

NEW!

Polished stainless steel, micropestles. Precise fitting, manufactured in one-piece, smooth handle sections, can be disinfected easily. Minimum homogenate displacement due to tapered piston.

For Reaction tubes:

For homogenisation of cells, tissues or foodstuffs/feed samples.

- For tubes with 0.5ml, 1.5ml and 2.0ml
- Can be cooled down to -196°C
- Sterilisable in an autoclave or dry heat at +200°C
- Suitable for PCR applications
- Alternative to single-use plastic pestles

For Sarstedt tubes:

Primarily used with food analysis with light and highly processed samples.

- For tubes 13ml

For bottle ml	Length mm	PK	Cat. No.
0.5	94	1	9.314 500
1.5	124	1	9.314 501
2.0	120	1	9.314 502
13.0	190	1	9.314 503



9.314 500



9.314 501



9.314 502



9.314 503

5 EPPI pestle

For resuspending pellets. Polypropylene (PP). Tapered. Autoclavable, reusable. For homogenising cells and tissues within 1.5/2.0 ml Eppendorf® test tubes (exact fit).

schuett-biotech

Type	Shaft diameter	Length mm	PK	Cat. No.
Polypropylene EPPI pestle	4.9mm	70	10	9.197 689



8 9 Tissue Grinders System

NEW!

For safety grinding of any cells by minimal temperature rising. Closed System (CS) for minimizing the risk of personal contact with aerosols and sample overflow while grinding. Optimal contact of grinder and conical sample tube (15 or 50ml) to grind each cell in the best way. Each unit is gamma sterilized and comes with a fully assembled pestle, conical sample tube (PP), solid top cap (HDPE) and label.

Type CS1: Tip from glass-filled PP (30%/70%) for standard grinding

Type CS2: Vitrified tip (cast silica) for harder grinding

Kimble Chase

Type	Capacity ml	PK	Cat. No.
CS 1	15	10	9.651 050
CS 1	50	10	9.651 051
CS 2	15	10	9.651 052
CS 2	50	10	9.651 053



9.651 050



9.651 051



Homogenisators - please see page 541.



Reaction tubes



1 Tube Racks, 20-Well, PP

Interlocking racks hold 1.5/2.0ml tubes.

Polypropylene racks lock together on each side, permitting the user to attach several together to increase capacity. Feature an innovative "hold-it" finger slot on the front, and internal ribbing for stability. Autoclavable. Dimensions: 210 x 90 x 46mm.

Colour	PK	Cat. No.
blue	1	9.409 088
red	1	9.409 089
white	1	9.409 090



2 Microtube Racks, 80-Well, PP

NEW!

Popular fraction collector plate-style rack. Easily load and transfer 80 tubes in a compact format (5 x 16 array). Polypropylene rack has moulded-in coordinates to aid organization. Autoclavable. Assorted colours. Dimensions: 225 x 67 x 28mm.

Colour	PK	Cat. No.
blue, green, pink, yellow and orange	5	6.237 973



3 96-Well Reversible Rack, PP

NEW!

Heathrow Scientific

Polypropylene rack has 96 wells for 0.5ml microcentrifuge tubes on one side and 96 wells for 1.5 to 2.0ml microcentrifuge tubes on the other side. Wells are arranged in standard 8 x 12 array. Handy lid snaps into place via tabs on each end of rack. Autoclavable. Dimensions: 246 x 121 x 50mm.

Colour	PK	Cat. No.
blue, green, pink, yellow, orange	5	9.193 982
natural	1	6.237 620
blue	1	6.237 267
green	1	6.237 268
pink	1	6.237 621
yellow	1	6.237 622



4 Cube Racks

Interlock on all sides.

Our user-friendly cube racks are a must for any laboratory. Accommodate 4 x 50ml tubes, 10 x 15ml conical tubes, 12 x 75mm or 12 x 100mm tubes or 16 x 1.5 to 2.0ml microcentrifuge tubes. Polypropylene racks slide together, allowing you to work with different tubes on as many connected racks as desired. Autoclavable. Available in natural or assorted colours (blue, green, yellow orange and pink). Dimensions: 108 x 108 x 114mm.

Colour	PK	Cat. No.
Assorted Colours	5	9.409 091
Natural	1	9.409 092



5 50-/100-Well cryogenic boxes, EPS

NEW!

Heathrow Scientific

Inexpensive freezer storage. Lightweight 1.5 to 2.0ml microtube racks are ideal for long-term studies or tube storage. Two-piece racks are constructed of expanded polystyrene (EPS) foam. Extra spacing between wells allows easy gripping with fingertips. Racks stack securely with nesting features on lid and base. Resist storage temperatures from -80°C up to +70°C.

no. of wells	Dimensions (L x W x H) mm	PK	Cat. No.
50	210 x 100 x 71	1	9.193 987
100	336 x 95 x 73	1	9.193 986



Further Cryogenic storage boxes please see page 706.