

Микропланшеты и аксессуары CARL ROTH Riplate, Medio, Plus, BioTube, ROTILABO, F-profile, V-profile, pureGrade, immunoGrade

Технические характеристики

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Microtiter plates and accessories

Deepwell plates Riplate®

Ritter. Material: PP. Autoclavable: Yes.

Suitable for all common automation systems, plate size 1 and 2 ml suitable for multi-channel pipettes.

- Alphanumeric well identification
- Includes angled corner for proper orientation
- Stackable
- SBS dimensions
- Optimised base structure minimises specimen losses
- Temperature-stable up to -85 °C
- Centrifugable to 3000 x g
- Sterile article, individually packed



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Applications:

High Throughput Screening (HTS), general analysis necessitating the use of a stock plate; serial dilution; reagent transfer; cell and tissue cultures; specimen storage.

Technical specifications:

Art. No.	CEX7.1	EN06.1	EN07.1	EN08.1	TC23.1
L x W x H	127.8 x 85.5 x 44.0 mm	127.3 x 84.7 x 41.2 mm	127.8 x 85.5 x 44.0 mm		

Wells	Volume per well (µl)	Working volume (µl)	Format	Type	Version	Sterility	Art. No.	Pack Qty.	
24	10000	9,900	4 x 6	Riplate® sw 10 ml	rectangular/V-shaped	Non-sterile	TC23.1	20 unit(s)	
48	5000	4,900	8 x 6	Riplate® sw 5 ml	rectangular/V-shaped	Non-sterile	EN08.1	20 unit(s)	
96	2200	1,900	8 x 12	Riplate® rw 2 ml	round/round	Non-sterile	CEX7.1	20 unit(s)	
96	1200	1,000	8 x 12	Riplate® rw 1 ml	round/round	Non-sterile	EN06.1	20 unit(s)	
96	2500	2,400	8 x 12	Riplate® sw 2 ml	rectangular/round	Non-sterile	EN07.1	20 unit(s)	

Medio

For sample storage, requires 50 % less storage space due to reduced height.

Technical specifications:

Art. No.	TC22.1
L x W x H	127.8 x 85.5 x 27.0 mm

Wells	Volume per well (µl)	Working volume (µl)	Format	Type	Version	Sterility	Art. No.	Pack Qty.	
96	1200	1,000	8 x 12	Riplate® 1 ml medio	round/round	Non-sterile	TC22.1	32 unit(s)	143,35

Plus

With raised wells: reduction of cross-contaminations, improved lamination or sealing with adhesive film.

Technical specifications:

Art. No.	TC21.1
L x W x H	127.8 x 85.5 x 41.0 mm

Wells	Volume per well (µl)	Working volume (µl)	Format	Type	Version	Sterility	Art. No.	Pack Qty.	
96	1200	1,000	8 x 12	Riplate® 1 ml plus	round/round	Non-sterile	TC21.1	20 unit(s)	

Accessories sealing mats

Ritter.



Suitable for	Sterility	Art. No.	Pack Qty.	
Riplate® 1 ml medio / Riplate® rw 2 ml	Non-sterile	CEX8.1	20 unit(s)	
Riplate® 1 ml / Riplate® 1 ml plus	Non-sterile	EN09.1	20 unit(s)	
Riplate® sw 2 ml	Non-sterile	EN10.1	20 unit(s)	
Riplate® sw 5 ml	Non-sterile	TC24.1	20 unit(s)	
Riplate® sw 10 ml	Non-sterile	TC25.1	20 unit(s)	

Microtiter plates and accessories

Deepwell plates Riplate® magnetic

Ritter. Material: PP.

For cleaning, mixing, centrifuging samples. For storing and preparing substances. For cleaning proteins as well as for DNA extraction via automatic magnet separation. Corresponds to the SBS standard (Society for Biomolecular Screening).

- Resistant to common chemicals, solvents and alcohols
- High stability also when centrifuging
- Cylindrical wells for optimum sample mixing
- Slightly raised rim of the well prevents cross-contamination
- Alphanumeric marking for registering and identifying the samples
- Production under clean-room conditions Class 8



Application:

Specially developed for robots for magnetic separation:

Automated magnetic separation is often used for cleaning proteins as well as for DNA extraction. This technology that is based on magnetic particles enables fast and efficient preparation of samples with high throughput. In order to perform this separation process reproducibly in the long-term, precise plastic plates made of ultrapure polypropylene were developed, the Riplate® magnetic. Production under Class 8 clean-room conditions ensures the sustainability of these products as well as reliable analysis results.

Suitable for:

KingFisher™ 96 Flex Magnetic Particle Processors.

Volume per well (µl)	Working volume (µl)	Type	Art. No.	Pack Qty.	
200	100	Riplate® 96 SRW magnetic, 0.2 ml	HLK2.2	60 unit(s)	
2000	1,000	Riplate® 96 SRW magnetic, 2 ml	HLK3.2	60 unit(s)	

Reaction vial system BioTube™

ROTH SELECTION. Material: PP. Autoclavable: Yes.

Ideal for storing, transporting and freezing samples as well as for use in many biological tests, e.g. PCR, radio immunoassays (RIA), enzyme immunoassays (EIA) or cell growth studies. Racks can be removed from their base, e.g. for homogeneous heating of vials in a water bath.

- Rack with snap-on lid, filled with 96 vials
- Vials arranged in microtiteration plate format 8 x 12
- Suitable for working with multichannel pipettors
- With alphanumeric marking on outside of rack
- Label inside rack
- Temperature-stable up to -90 °C



Delivery without cap strips, please order separately.

Volume per well (µl)	Sterility	Art. No.	Pack Qty.	
1200	Non-sterile	EC05.1	10 unit(s)	
1200	Sterile	EC06.1	10 unit(s)	

Accessories for reaction vial systems BioTube™

ROTH SELECTION.

Material: PP. Autoclavable: Yes.

Vol. (ml)	Version	Sterility	Art. No.	Pack Qty.	
1.2	Single receptacles	Non-sterile	EC07.1	960 unit(s)	
1.2	8 strips	Non-sterile	YC41.1	120 unit(s)	

Cap strips

Material: PE. Autoclavable: No.

Version	Sterility	Art. No.	Pack Qty.	
8 strips	Non-sterile	EC08.1	120 unit(s)	
8 strips	Sterile	EC09.1	120 unit(s)	



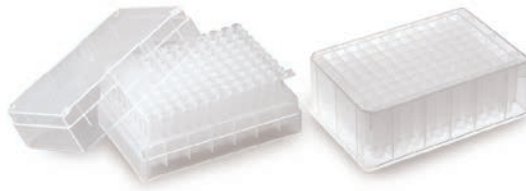
Microtiter plates and accessories

Micro Racks

ROTH SELECTION. Material: PP. Autoclavable: Yes.

Racks with lid, filled with 96 microtubes. Tubes number-coded on the base. Pressure tested for leak tightness.

- SBS standard microtest plate format 8 x 12
- Sides can be labelled, e.g. with a bar-code
- Suitable for use in combination with automatic dispensing systems and robots
- Racks are stackable and suitable for stacker systems
- Temperature-stable down to -80 °C



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Technical specifications:

Art. No.	XK05.1	XK08.1
L x W x H	127.76 x 85.48 x 20.4 mm	127.76 x 85.48 x 28.4 mm

Vol. (ml)	Format	Sterility	Art. No.	Pack Qty.
0.65	8 x 12	Non-sterile	XK05.1	50 unit(s)
1.20	8 x 12	Non-sterile	XK08.1	50 unit(s)

Micro Tubes

ROTH SELECTION. Material: PP. Autoclavable: Yes.

With round bottom. A individual vials or 8-tube strips for use in micro-racks.



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Vol. (ml)	Ø x H (mm)	Version	Sterility	Pack.	Art. No.	Pack Qty.
0.65	8.3 x 28	Single container	Non-sterile	5 x 1000	XK10.1	5,000 unit(s)
0.65	8.3 x 28	8 strips	Non-sterile	5 x 120	XK11.1	600 unit(s)
1.20	8.3 x 44.1	Single container	Non-sterile	5 x 1000	XK12.1	5,000 unit(s)
1.20	8.3 x 44.1	8 strips	Non-sterile	5 x 120	XK13.1	600 unit(s)

Accessories for microtubes

ROTH SELECTION. Material: TPE. Autoclavable: Yes.

For sealing 0.65 and 1.2 ml micro tubes. Can be punctured with syringe needles for sampling and filling.

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Version	Sterility	Art. No.	Pack Qty.
8 tube cap strip	Non-sterile	XK18.1	1,000 unit(s)
8 x 12 sealing mats	Non-sterile	XK19.1	100 unit(s)

Microtiter plates and accessories

Microtitration plates 6 well

Boettger. Material: PS. Non-sterile.

For all bacteriological work that requires multiple partitioning of the culture tray. Simple, space-saving alternative to six conventional 35 mm Petri dishes.

- Manufactured under aseptic conditions
- Recesses, alphanumerically marked, well Ø 35 mm
- Max. volume 15 ml per well
- Centrifuges up to 4500 x g
- Temperature stable from -20 to approx. +60 °C



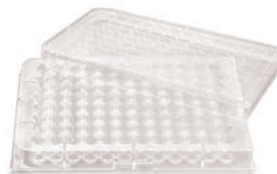
Delivery incl. lid.

Wells	Volume per well (ml)	Colour	Sterility	Pack.	Art. No.	Pack Qty.	
6	2-5	translucent	Non-sterile	50 x 2	ATC0.1	100 unit(s)	

Microtitration plates ROTILABO®

Boettger. Material: PS. Non-sterile.

- With 96 alphanumerically marked recesses
- Manufactured under aseptic conditions
- Stackable



Delivery without lid.

F-profile

With transparent F-bottom, for good sample visibility.

Pic.	Wells	Volume per well (ml)	Colour	Sterility	Art. No.	Pack Qty.	
(3)	96	0,405	translucent	Non-sterile	9293.1	100 unit(s)	

U-profil

With round bottom, for mixing and washing samples.

Pic.	Wells	Volume per well (ml)	Colour	Sterility	Art. No.	Pack Qty.	
(1)	96	0,345	translucent	Non-sterile	9291.1	100 unit(s)	

V-profil

With conical bottom, for optimum sample recovery.

Pic.	Wells	Volume per well (ml)	Colour	Sterility	Art. No.	Pack Qty.	
(2)	96	0,335	translucent	Non-sterile	9292.1	100 unit(s)	



Microtiter plates and accessories

Microtitration plates

Greiner Bio-One. Material: PS.

- Solid base
- Free of detectable endotoxins
- Free of detectable DNase, RNase and human DNA



F-profile

Ideal for extremely precise optical measurements. The cell geometry does not deflect the measurement light beam.

- Cell geometry: F-base/standard (flat base)
- For microscopic applications (bottom reading)
- Excellent optical properties thanks to the flat base of the cells

Wells	Volume per well (µl)	Colour	Sterility	Pack.	Art. No.	Pack Qty.	
96	25-340	translucent	Non-sterile	10 x 10	1A70.1	100 unit(s)	
96	25-340	translucent	Sterile	50 x 2	1A71.1	100 unit(s)	

V-profile

Particularly well suited to applications where the entire sample volume must be removed by pipette. For precise pipetting because the sample is collected at the base. Ideal for storing samples.

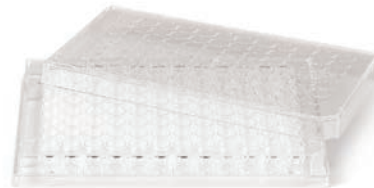
- Cell geometry: V-base (conical base)
- Suitable for +/- analyses

Wells	Volume per well (µl)	Colour	Sterility	Pack.	Art. No.	Pack Qty.	
96	40-200	translucent	Non-sterile	10 x 10	1A72.1	100 unit(s)	
96	40-200	translucent	Sterile	50 x 2	1A73.1	100 unit(s)	

Microtitration plates sterile

ROTH SELECTION. Material: PS. **Sterile.**

- F-profile (flat-shaped base)
- Optically clear for good visualization
- Increased well edge reduces evaporation
- Condensation rings in the lid reduce cross-contamination
- Alphanumeric numbering
- Gamma-sterilised
- Non-pyrogenic



S

Delivery incl. lid.

Wells	Volume per well (ml)	Colour	Sterility	Pack.	Art. No.	Pack Qty.	
96	0,39	translucent	Sterile	individual	EKL9.1	100 unit(s)	

Microtiter plates and accessories

Microtitration plates pureGrade™

BRAND.

Untreated surface.

Manufactured according to ANSI/SBS standards 1 to 4-2004 to ensure compatibility when carrying out manual processes and, in particular, automatic processes.

Properties of BRANDplates® microtiter plates:

- 96 well standard format
- Alphanumerically coded
- **Free of endotoxins, DNase, DNA, RNase, non-cytotoxic**

Properties of the pureGrade™ microtiter plates:

- Chimney-shaped cavities
- Colour code: grey for standard plates
- F-profile (flat bottom shape) for precision optical measurements

F-bottom, transparent

Material: PS. Transparent bottom in F-profile (flat bottom shape) for precise optical measurements.

Delivery without lid.

Wells	Volume per well (ml)	Colour	Sterility	Pack.	Art. No.	Pack Qty.	
96	0,35	translucent	Non-sterile	20 x 5	CNP7.1	100 unit(s)	

F-bottom, transparent, sterile

Material: PS. Transparent bottom in F-profile (flat bottom shape) for precise optical measurements. Sterilised through β -irradiation. Ideal for bacteriological assays.

Delivery incl. lid.

Wells	Volume per well (µl)	Colour	Sterility	Pack.	Art. No.	Pack Qty.	
96	350	translucent	Sterile	individual	XT64.1	50 unit(s)	

UV

Material: Polymer (UV polymer, slightly hydrophilic), rack PS.

- Suitable for the determination of nucleic acid and protein concentrations (at 260 and 280 nm respectively)
- Transmission at 240 nm is 80 %
- Bottom: UV-transparent film, wall thickness 25 µm

Delivery without lid.

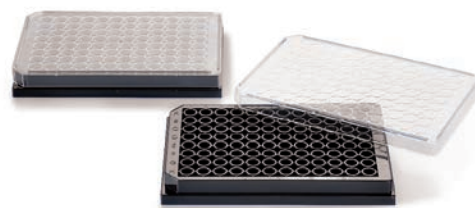
Wells	Volume per well (µl)	Colour	Sterility	Pack.	Art. No.	Pack Qty.	
96	350	translucent	Non-sterile	5 x 10	XT65.1	50 unit(s)	

Microtitration plates ROTILABO®

ROTH SELECTION. Material: PS. Non-sterile.

Black plates for low background and reduced light scatter during applications in fluorescence microscopy.

- Alphanumerically marked cavities with flat bottom
- „Chimney top“ well design reduces the risk of contamination
- SBS dimensions
- **Free of RNase, DNase and human-DNA**



Delivery without lid.

Wells	Volume per well (ml)	Colour	Sterility	Art. No.	Pack Qty.	
96	0,35	black	Non-sterile	CEK8.1	100 unit(s)	



Microtiter plates and accessories

Microtitration plates ROTILABO® Polypropylene

ROTH SELECTION. Material: PP. Non-sterile. Autoclavable: Yes.

- Good chemical stability e.g. against DMSO, phenol and chloroform
- SBS dimensions, suitable for robot systems
- Wells in round U-profile for maximum sample recovery with reduced capillary effect
- **Free of DNase, RNase and human DNA**



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Delivery without cap mats.

Wells	Volume per well (ml)	Colour	Sterility	Art. No.	Pack Qty.	
96	0,35	colourless	Non-sterile	CEL3.1	100 unit(s)	

Microtitration plates immunoGrade™

BRAND. Material: PS.

For optimal binding of IgG.

Manufactured according to ANSI/SBS standards 1 to 4-2004 to ensure compatibility when carrying out manual processes and, in particular, automatic processes.

Properties of BRANDplates® microtiter plates:

- 96 well standard format
- Alphanumerically coded
- **Free of endotoxins, DNase, DNA, RNase, non-cytotoxic**

Properties of immunoGrade™ microtiter plates:

- Colour code: blue for immunology
- Highest binding capacity for molecules with hydrophilic and hydrophobic regions
- Ideal surface for most standard ELISA assays
- Suitable for solid phase immunoassays
- Equivalent to high-binding products from other manufacturers

Delivery without lid.

F-bottom (transparent)

Transparent bottom in F-profile (flat bottom shape) for precise optical measurements.

Wells	Volume per well (ml)	Colour	Pack.	Art. No.	Pack Qty.	
96	0,35	translucent	20 x 5	XT66.1	100 unit(s)	
96	0,33	black	20 x 5	XT71.1	100 unit(s)	

U-bottom

U-bottom (round bottom shape), ideal for mixing and washing samples.

Wells	Volume per well (ml)	Colour	Pack.	Art. No.	Pack Qty.	
96	0,33	white	20 x 5	XT67.1	100 unit(s)	

Microtitration plates ROTILABO® 384 well

ROTH SELECTION. Material: PS. Non-sterile.

- Black plates for low background and reduced light scatter during applications in fluorescence microscopy
- Alphanumerically marked cavities with flat bottom
- Reduced capillary effect thanks to rounded corners
- SBS dimensions
- **Free of DNase, RNase and human DNA**



Delivery without lid.

Wells	Volume per well (ml)	Colour	Sterility	Art. No.	Pack Qty.	
384	0,12	translucent	Non-sterile	CEL0.1	100 unit(s)	
384	0,12	black	Non-sterile	CEL1.1	100 unit(s)	

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