

Емкости для культивирования клеток CARL ROTH CELLSTAR, ROTILABO, cellGrade, inertGrade, BRAND, EASYstrainer, Suspension, CELLreactor

Технические характеристики

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тургут (3462)77-98-35
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия (495)268-04-70

Казахстан (772)734-952-31

Киргизия (996)312-96-26-47

Cell culture bottles

Cell culture bottles CELLMASTER™ roller bottles

Greiner Bio-One. Material: PS (TC-treated), HDPE screw cap. **Sterile.**

- Improved cell adherence through physical surface treatment
- Free of DNase, RNase and human DNA, non-pyrogenic
- Graduated



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Standard screw cap

| Growth surface (cm ²) | Ø ext. (mm) | Art. No. | Pack Qty. | |
|-----------------------------------|-------------|----------|------------|--|
| 850 | 122 | CE58.1 | 24 unit(s) | |

Filter screw cap

Cap with hydrophobic membrane (PET/PTFE) for optimal gas exchange.

| Growth surface (cm ²) | Ø ext. (mm) | Art. No. | Pack Qty. | |
|-----------------------------------|-------------|----------|------------|--|
| 850 | 122 | CE59.1 | 24 unit(s) | |

Suspension culture bottles CELLSTAR®

Greiner Bio-One. Material: PS. **Sterile.**

With white screw cap. High, angled bottle neck protects the inside of the screw cap from contamination by medium.

- Graduations and labelling area on the side
- Hydrophobic surface, ideal for suspension cultures and hybridoma cells
- **Free of DNase, RNase and human DNA**
- Endotoxin-free, free of cytotoxic substances



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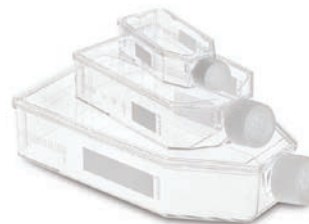
| Pack. | Art. No. | Pack Qty. | |
|---------|----------|-------------|--|
| 20 x 10 | CE51.1 | 200 unit(s) | |
| 24 x 5 | CE52.1 | 120 unit(s) | |
| 10 x 4 | CE53.1 | 40 unit(s) | |

Suspension culture bottles CELLSTAR® filter screw cap

Greiner Bio-One. Material: PS. **Sterile.**

Hydrophobic membrane (pore size 0.2 µm) for minimal risk of contamination and optimal gas exchange. High, angled bottle neck reduces the risk of media contact with the inside of the screw cap and therefore provides an additional layer of protection against contamination.

- Hydrophobic surface
- Ideal for suspension cultures, hybridoma cells and embryonic stem cells
- Optimal access with pipette
- Graduations and labelling area on the side
- Optimal gas exchange thanks to high air flow rate of membrane
- **Free of DNase, RNase and human DNA**
- Endotoxin-free, free of cytotoxic substances



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Delivery incl. standard screw-cap closures (without filter, in addition to the fitted filter screw-cap closures).

| Pack. | Art. No. | Pack Qty. | |
|---------|----------|-------------|--|
| 20 x 10 | CNA6.1 | 200 unit(s) | |
| 24 x 5 | CNA7.1 | 120 unit(s) | |
| 8 x 5 | CNA8.1 | 40 unit(s) | |



Cell culture bottles

Cell culture bottles filter screw cap

Greiner Bio-One. Material: PS. **Sterile.**

Hydrophobic membrane (pore size 0.2 µm) for minimal risk of contamination and optimal gas exchange. High, angled bottle neck reduces the risk of media contact with the inside of the screw cap and therefore provides an additional layer of protection against contamination.

- Cell layers are easy to reach with the cell scraper
- Optimal access with pipette
- Graduations and labelling area on the side
- Improved cell adherence through physical surface treatment
- Optimal gas exchange thanks to high air flow rate of membrane
- **Free of DNase, RNase and human DNA**
- Endotoxin-free, free of cytotoxic substances



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| Growth surface (cm ²) | Pack. | Art. No. | Pack Qty. | |
|-----------------------------------|---------|---------------|-------------|--|
| 25 | 20 x 10 | CE48.1 | 200 unit(s) | |
| 75 | 24 x 5 | CE49.1 | 120 unit(s) | |
| 175 | 10 x 5 | CLY2.1 | 50 unit(s) | |
| 175 | 8 x 5 | CE50.1 | 40 unit(s) | |

Cell culture bottles

ROTH SELECTION. Material: PS, PE screw cap. **Sterile.**

Variable closure: Screw cap can be closed tightly for anaerobic cultures or screwed in the "vent" position for defined aeration of aerobic cultures. Angled neck and large opening allow access to the entire culture surface.

- Very high visual clarity
- Graduation and labelling area
- Stackable
- Non-toxic
- Bottom of bottle has been surface-treated for optimal cell growth



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| Growth surface (cm ²) | Pack. | Art. No. | Pack Qty. | |
|-----------------------------------|---------|---------------|-------------|--|
| 25 | 36 x 10 | X845.1 | 360 unit(s) | |
| 75 | 20 x 5 | X846.1 | 100 unit(s) | |
| 150 | 12 x 3 | X847.1 | 36 unit(s) | |

Cell culture bottles

Greiner Bio-One. Material: PS. **Sterile.**

Screw cap can be used in two positions: Ventilation position or gas-tight closure. High, angled bottle neck reduces the risk of media contact with the inside of the screw cap.

- Cell layers are easy to reach with the cell scraper
- Optimal access with pipette
- Graduations and labelling area on the side
- Improved cell adherence through physical surface treatment
- **Free of DNase, RNase and human DNA**
- Endotoxin-free, free of cytotoxic substances



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| Growth surface (cm ²) | Pack. | Art. No. | Pack Qty. | |
|-----------------------------------|---------|---------------|-------------|--|
| 25 | 20 x 10 | CNA9.1 | 200 unit(s) | |
| 75 | 24 x 5 | CNC1.1 | 120 unit(s) | |
| 175 | 10 x 5 | CNC2.1 | 50 unit(s) | |
| 175 | 10 x 4 | CNC3.1 | 40 unit(s) | |

Cell culture bottles



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Cell scrapers

Greiner Bio-One. Material: PS, blade made of HDPE. **Sterile.**
Rotatable blade, for soft scrape-off of cells on surfaces that are difficult to access.

| Total length (mm) | Width (mm) | Pack. | Art. No. | Pack Qty. | |
|-------------------|------------|------------|---------------|-------------|--|
| 280 | 18 | individual | CE60.1 | 100 unit(s) | |
| 400 | 18 | individual | CE61.1 | 100 unit(s) | |

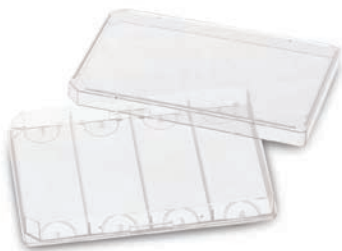


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Cell scrapers

ROTH SELECTION. Material: ABS, blade made of TPE, flexible. **Sterile.**
For cell harvesting in cell culture flasks and dishes. Swivelling movements, as well as horizontal and vertical blade rotation, enable a variety of applications and allow access to points that are difficult to reach.

| Total length (mm) | Width (mm) | Pack. | Art. No. | Pack Qty. | |
|-------------------|------------|------------|---------------|-------------|--|
| 245 | 20 | individual | EKX9.1 | 100 unit(s) | |
| 385 | 30 | individual | EKY0.1 | 100 unit(s) | |



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Microtitration plates CELLSTAR® FourWell Plate™

Greiner Bio-One. Material: PS. **Sterile.**
Four-well plate for microscopic applications, for cultivation and processing of cells on microscope slides. Also for use as incubation tray for blotting membranes. Plate layout corresponds to ANSI Standard.

- 4 individual chambers, each with a max. volume of 18.6 ml per well
- Numbered wells for secure sample identification
- Bevelled edges on the left-hand side of the plates serve as a guide
- Vents
- With cover panel
- **Free of DNase, RNase and human DNA**
- Endotoxin-free, free of cytotoxic substances

| Colour | Sterility | Pack. | Art. No. | Pack Qty. | |
|-------------|----------------|-------|---------------|------------|--|
| translucent | Sterile | 4 x 8 | CNA2.1 | 32 unit(s) | |



Cell culture plates, pans, vials

Microtitration plates cellGrade™ sterile

BRAND. Material: PS. **Sterile.**

Standard plate for cultivating adherent cell cultures.
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**



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Properties of cellGrade™ microtiter plates:

- Colour code: orange for the cell culture
- PS surface with various freely accessible chemical groups, e.g. carboxyl and hydroxyl groups
- Surface is hydrophilic (untreated PS is non-hydrophilic)
- Serum constituents are bound to the free chemical groups which allow indirect adhesion of cells

Delivery incl. lid.

F-bottom

| Wells | Volume per well (ml) | Colour | Sterility | Pack. | Art. No. | Pack Qty. | |
|-------|----------------------|--------|----------------|------------|---------------|------------|--|
| 96 | 0,35 | white | Sterile | individual | XT72.1 | 50 unit(s) | |
| 96 | 0,35 | black | Sterile | individual | XT73.1 | 50 unit(s) | |

F-bottom (transparent)

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

| Wells | Volume per well (ml) | Colour | Sterility | Pack. | Art. No. | Pack Qty. | |
|-------|----------------------|-------------|----------------|------------|---------------|------------|--|
| 96 | 0,35 | translucent | Sterile | individual | CNP6.1 | 50 unit(s) | |
| 96 | 0,33 | white | Sterile | individual | XT74.1 | 50 unit(s) | |
| 96 | 0,33 | black | Sterile | individual | XT75.1 | 50 unit(s) | |

Microtitration plates inertGrade™ sterile

BRAND. Material: PS. **Sterile.**

Suitable for cultivating suspension cell cultures.
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 inertGrade microtiter plates™:

- Colour code: orange for the cell culture.
- Ideal for cell cultures if cell adhesion is to be avoided
- Optimised surface properties minimise cell binding, protein absorption, enzyme activation and cellular activation
- This allows, for example, premature differentiation of stem cells to be inhibited

Delivery incl. lid.

F-bottom, transparent

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

| Wells | Volume per well (ml) | Colour | Sterility | Pack. | Art. No. | Pack Qty. | |
|-------|----------------------|-------------|----------------|------------|---------------|------------|--|
| 96 | 0,35 | translucent | Sterile | individual | XT77.1 | 40 unit(s) | |

U-bottom

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

| Wells | Volume per well (ml) | Colour | Sterility | Pack. | Art. No. | Pack Qty. | |
|-------|----------------------|-------------|----------------|------------|---------------|------------|--|
| 96 | 0,33 | translucent | Sterile | individual | XT76.1 | 40 unit(s) | |

Cell culture plates, pans, vials

Cell culture inserts BRAND Insert 2in1

BRAND. Sterile.

Suitable for producing skin models, 3D epithelial cell cultures, study of chemotaxis, transmigration assays or, e.g., in transport and polarity studies. For general cell culture work or swapping from the standing to the hanging position, already validated cell culture plates can be reused. Thanks to their feet and hooks, BRAND Inserts 2in1 can be positioned both ways. With its protein-like structure, the cellGrade™ plus surface optimally promotes the growth of primary keratinocytes and many other cell types.

- Can be used as a hanging or standing insert
- Compatible with all good multiwell plates
- Suitable for 2D and 3D cell cultures
- Surface: cellGrade™ plus
- Sterility Assurance Level (SAL) of 10^{-6}



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For 6-well

| Membrane material | Pore size (µm) | Pack. | Art. No. | Pack Qty. |
|-------------------|----------------|--------|----------|------------|
| PC | 0.4 | 24 x 1 | 1CEC.1 | 24 unit(s) |
| PC | 0.4 | 4 x 6 | 1CEE.1 | 24 unit(s) |
| PC | 8 | 24 x 1 | 1CEH.1 | 24 unit(s) |
| PC | 8 | 4 x 6 | 1CEK.1 | 24 unit(s) |
| PET | 0.4 | 24 x 1 | 1CEL.1 | 24 unit(s) |
| PET | 0.4 | 4 x 6 | 1CEN.1 | 24 unit(s) |
| PET | 8 | 24 x 1 | 1CEP.1 | 24 unit(s) |
| PET | 8 | 4 x 6 | 1CET.1 | 24 unit(s) |

For 12-well

| Membrane material | Pore size (µm) | Pack. | Art. No. | Pack Qty. |
|-------------------|----------------|--------|----------|------------|
| PC | 0.4 | 48 x 1 | 1CEX.1 | 48 unit(s) |
| PC | 0.4 | 4 x 9 | 1CEY.1 | 36 unit(s) |
| PC | 8 | 48 x 1 | 1CH0.1 | 48 unit(s) |
| PC | 8 | 4 x 9 | 1CH1.1 | 36 unit(s) |
| PET | 0.4 | 48 x 1 | 1CH2.1 | 48 unit(s) |
| PET | 0.4 | 4 x 9 | 1CH3.1 | 36 unit(s) |
| PET | 8 | 48 x 1 | 1CH4.1 | 48 unit(s) |
| PET | 8 | 4 x 9 | 1CH5.1 | 36 unit(s) |

For 24-well

| Membrane material | Pore size (µm) | Pack. | Art. No. | Pack Qty. |
|-------------------|----------------|--------|----------|------------|
| PC | 0.4 | 48 x 1 | 1CH6.1 | 48 unit(s) |
| PC | 0.4 | 4 x 12 | 1CH7.1 | 48 unit(s) |
| PC | 8 | 48 x 1 | 1CH8.1 | 48 unit(s) |
| PC | 8 | 4 x 12 | 1CH9.1 | 48 unit(s) |
| PET | 0.4 | 48 x 1 | 1CHA.1 | 48 unit(s) |
| PET | 0.4 | 4 x 12 | 1CHC.1 | 48 unit(s) |
| PET | 8 | 48 x 1 | 1CHE.1 | 48 unit(s) |
| PET | 8 | 4 x 12 | 1CHH.1 | 48 unit(s) |



Cell culture plates, pans, vials

Cell culture plates sterile

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

Hydrophilic, negatively-charged surface through plasma treatment for uniform cell adhesion and cell growth.

- F-profile (flat-shaped base)
- Optically clear for good cell visualisation
- 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. | |
|-------|----------------------|-------------|----------------|------------|---------------|-------------|--|
| 6 | 17 | translucent | Sterile | individual | EKX5.1 | 100 unit(s) | |
| 12 | 6,8 | translucent | Sterile | individual | EKX6.1 | 100 unit(s) | |
| 24 | 3,5 | translucent | Sterile | individual | EKX7.1 | 100 unit(s) | |
| 96 | 0,39 | translucent | Sterile | individual | EKX8.1 | 100 unit(s) | |

Cell culture plates CELLSTAR® sterile

Greiner Bio-One. Material: PS. **Sterile.**

- Multiwell plates for adherent cell cultures
- Improved cell adherence through surface treatment
- F-bottom
- Alphanumerical well coding
- Centrifugable to max. 4800 x g
- **Free of detectable DNase, RNase and human DNA**
- Free of detectable endotoxins, free of cytotoxic substances



S

Delivery incl. lid.

| Wells | Volume per well (ml) | Growth surface (cm ²) | Colour | Sterility | Pack. | Art. No. | Pack Qty. | |
|-------|----------------------|-----------------------------------|-------------|----------------|------------|---------------|-------------|--|
| 6 | 2-5 | 9.6 | translucent | Sterile | individual | CE54.1 | 100 unit(s) | |
| 12 | 2-4 | 3.9 | translucent | Sterile | individual | CE55.1 | 100 unit(s) | |
| 24 | 0,5-1,5 | 1.9 | translucent | Sterile | individual | CE56.1 | 100 unit(s) | |
| 48 | 0,5-1 | 1.0 | translucent | Sterile | individual | CE57.1 | 100 unit(s) | |
| 96 | 0,025-0,34 | 0.34 | translucent | Sterile | individual | KL43.1 | 100 unit(s) | |

Cell culture plates, pans, vials



S

Cell strainer EASYstrainer™

Greiner Bio-One. Material: PP, filter membrane made of PET. **Sterile.**

For the filtration of cell suspensions and primary cell isolates, e.g. after organ digestion, for use in primary cell extraction or cell preparation for flow cytometry.

- Fits all standard 50 ml tubes
- With handle and mantle surface for improved aseptic handling
- Venting slot for rapid filtration, no overflowing of the cell strainer
- Individually packed in blister pack

Aids aseptic work: The mantle surface and handle protect against unintentional contact with the sterile filter material. The single blister pack allows for convenient and aseptic removal of the strainer. Venting slot between fitted cell strainer and tube allows the air in the tube to escape quickly during filtration and ensures that liquid does not accumulate between the strainer and the tube or that the strainer cannot overflow.

| Mesh size (µm) | Colour | Pack. | Art. No. | Pack Qty. | |
|----------------|--------|--------------|----------|------------|--|
| 40 | green | individually | CLY9.1 | 50 unit(s) | |
| 70 | blue | individually | CNA0.1 | 50 unit(s) | |
| 100 | yellow | individually | CNA1.1 | 50 unit(s) | |



S

Cell strainer Flowmi™

ROTH SELECTION. **Sterile.**

For direct filtration of up to 1000 µl cell suspensions through pipette tips before FLOW or FACS analysis. Compatible with most conventional 1000 µl pipette tips.

- Filters small quantities of cell liquids without losing any volume
- Removes cell clumping, resulting in homogeneous individual cell suspensions
- Filters cell fragments in order to reduce the blockage potential for FLOW or FACS devices

Application:

- Take up a sample in the pipette tip
- Insert it into the Flowmi™ cell strainer
- Filter the sample through the cell strainer into a reaction vial
- Discard the cell strainer along with the pipette tip

Note: The Flowmi™ cell strainer should be used with cell suspensions of up to two million cells/ml (40 µl) or four million cells/ml (70 µl).

| Mesh size (µm) | Art. No. | Pack Qty. | |
|----------------|----------|------------|--|
| 40 | KKE3.1 | 50 unit(s) | |
| 70 | KKE4.1 | 50 unit(s) | |



S

Cell culture dishes

Sarstedt. Material: PS. **Sterile.**

- Hydrophilic surface for adherent cells
- Flat, transparent growth surface for visual monitoring of cell growth
- **SUREGrip** design for reduced risk of contamination by being able to grip the dish securely
- With vents for continuous gas exchange and securely seated lid
- Distinct stacking rings in lid and base
- Packed in a resealable bag with tamper-evident cap
- **Free of DNase, RNase and DNA, non-pyrogenic/endotoxin-free, non-cytotoxic**

Standard

| Growth surface (cm²) | Ø ext. (mm) | Art. No. | Pack Qty. | |
|----------------------|-------------|----------|-------------|--|
| 8 | 35 | KKH4.1 | 500 unit(s) | |
| 21 | 60 | KKH5.1 | 500 unit(s) | |
| 58 | 100 | KKH6.1 | 300 unit(s) | |
| 152 | 150 | HPX6.1 | 100 unit(s) | |

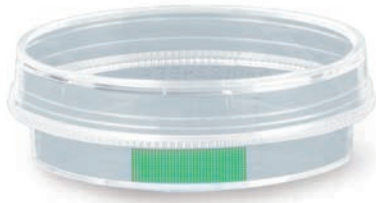
With grid

For cloning experiments.

| Growth surface (cm²) | Ø ext. (mm) | Art. No. | Pack Qty. | |
|----------------------|-------------|----------|-------------|--|
| 8 | 35 | KKH7.1 | 500 unit(s) | |
| 21 | 60 | KKH8.1 | 500 unit(s) | |



Cell culture plates, pans, vials



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Cell culture dishes Suspension

Sarstedt. Material: PS. **Sterile.**

Suspension culture surfaces for cells which are not adherently cultivated in solution (e.g. cells of lymphoid origin or hybridoma cells).

- Hydrophobic surface minimises cell loss when subcultivating due to unwanted micro-adhesion
- Flat, transparent growth surface for visual monitoring of cell growth
- **SUREGrip** design for reduced risk of contamination by being able to grip the dish securely
- With vents for continuous gas exchange and securely seated lid
- Distinct stacking rings in lid and base
- Packed in a resealable bag with tamper-evident cap
- **Free of DNase, RNase and DNA, non-pyrogenic/endotoxin-free, non-cytotoxic**

| Growth surface (cm ²) | Ø ext. (mm) | Pack. | Art. No. | Pack Qty. | |
|-----------------------------------|-------------|---------|---------------|-------------|--|
| 8 | 35 | 50 x 10 | KKH9.1 | 500 unit(s) | |
| 21 | 60 | 50 x 10 | KKK0.1 | 500 unit(s) | |
| 58 | 100 | 50 x 10 | KKK1.1 | 300 unit(s) | |



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Cell culture tubes CELLSTAR®

Greiner Bio-One. Material: PS, HDPE screw cap. **Sterile.**

- Improved cell adherence through physical surface treatment
- **Free of DNase, RNase and human DNA**
- Endotoxin-free, free of cytotoxic substances

Technical specifications:

| Art. No. | CNC4.1 | CNC5.1 |
|------------------------------|---------------|---------------|
| Centrifugability in g (max.) | 3,000 | 5,000 |

Free-standing

With standing ledge and bayonet lock (with 1/3 turn to open)

| Vol. (ml) | Ø ext. (mm) | Length (mm) | Pack. | Art. No. | Pack Qty. | |
|-----------|-------------|-------------|---------|---------------|---------------|--|
| 12 | 17 | 100 | 200 x 5 | CNC5.1 | 1,000 unit(s) | |

Round base

With screw closure

| Vol. (ml) | Ø ext. (mm) | Length (mm) | Pack. | Art. No. | Pack Qty. | |
|-----------|-------------|-------------|---------|---------------|---------------|--|
| 12 | 17 | 100 | 200 x 5 | CNC4.1 | 1,000 unit(s) | |

Cell culture plates, pans, vials



S

Cell culture tubes CELLSTAR® CELLreactor™ tube

Greiner Bio-One. Material: PP, Filter screw closure with PTFE-coated membrane, pore size 0.2 µm. **Sterile.**

Tube temperature stable from -196 to +121 °C, screw closure from -80 to +100 °C. Autoclavable tube (without screw closure).

- Conical tube design facilitates direct cell harvesting
- With graduations and labelling area
- Excellent gas exchange
- **Free of DNase, RNase and human DNA**
- Pyrogen free, non-cytotoxic

Applications:

- Miniaturisation of large-scale test setups
- Maximises the number of parallel experiments
- Bioreactors for the cultivation of suspension cells and spheroid cells
- Expansion of aerobic bacteria, yeasts and micro-organisms
- Storage of substances which require gas exchange

Technical specifications:

| Art. No. | CLY3.1 | | | | | |
|------------------------------|-------------|-------------|---------|----------|-------------|--|
| Centrifugability in g (max.) | 3,200 | | | | | |
| Vol. (ml) | Ø ext. (mm) | Length (mm) | Pack. | Art. No. | Pack Qty. | |
| 50 | 30 | 115 | 25 x 20 | CLY3.1 | 500 unit(s) | |



A 121 °C

Culture tubes

ROTH SELECTION. Material: Soda-lime glass, AR-GLAS®. Autoclavable: Yes.

Delivery without screw closures, please order separately.

| Version | Vol. (ml) | Ø ext. (mm) | Length (mm) | Art. No. | Pack Qty. | |
|-------------|-----------|-------------|-------------|----------|-------------|--|
| Round base | 15 | 16 | 125 | EXE8.1 | 100 unit(s) | |
| flat bottom | 15 | 16 | 125 | EXE9.1 | 100 unit(s) | |

A 121 °C

Accessories screw closures for culture tubes

ROTH SELECTION. Material: PP, integrated TPE seal. Autoclavable: Yes.

- Extended closures, reduced risk of contamination
- Short screw thread for easy opening and closing
- Highest safety for sterilisation through injected seal
- Leak-proof
- Temperature stability: -10 to +121 °C

| Ø ext. (mm) | Height (mm) | Art. No. | Pack Qty. | |
|-------------|-------------|----------|-------------|--|
| 20 | 30 | EXH0.1 | 100 unit(s) | |



S



Culture tubes sterile with screw closure

ROTH SELECTION. Material: PS, HDPE closure. **Sterile.**

- Free of pyrogenics
- Temperature stability: -80 to +80 °C

Technical specifications:

| | |
|------------------------------|--------|
| Art. No. | AEL3.1 |
| Centrifugability in g (max.) | 3,000 |

Coloured lid inserts for identification are optional (CK72.1ff).

| Vol. (ml) | Ø ext. (mm) | Length (mm) | Pack. | Art. No. | Pack Qty. | |
|-----------|-------------|-------------|---------|----------|---------------|--|
| 8 | 13 | 100 | 8 x 125 | AEL3.1 | 1,000 unit(s) | |

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Россия (495)268-04-70

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Киргизия (996)312-96-26-47