

Пробирки, колбы, бутылки для культивирования клеток CARL ROTH DURAN, Breed-Demeter, ROTILABO, Fernbach, WHEATON, Erlenmeyer

Технические характеристики

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Culture tubes

Culture tubes

ROTH SELECTION. Sterile.

- With two-position closure for anaerobic and aerobic bacteria cultures



S

Polypropylene graduated

Material: PP PE closure. With labelling area.

- Suitable for use in a centrifuge: 3000 x g
- Temperature stable: -190 to 121 °C

Vol. (ml)	Filling capacity (ml)	Ø ext. (mm)	Length (mm)	Pack.	Art. No.	Pack Qty.	
5	4	12	75	500 x 1	EC01.1	500 unit(s)	
5	4	12	75	20 x 25 (box)	EC02.1	500 unit(s)	
14	12	17	95	500 x 1	EC03.1	500 unit(s)	
14	12	17	95	20 x 25 (box)	EC04.1	500 unit(s)	

Polypropylene ungraduated

Material: PP PE closure. Without labelling area.

- Suitable for use in a centrifuge: 3000 x g
- Temperature stable: -190 to 121 °C

Vol. (ml)	Filling capacity (ml)	Ø ext. (mm)	Length (mm)	Pack.	Art. No.	Pack Qty.	
5	4	12	75	20 x 25 (bag)	AEY0.1	500 unit(s)	
14	12	17	95	20 x 25 (bag)	AEY1.1	500 unit(s)	

Polystyrene graduated

Material: PS PE closure. With labelling area.

- Transparent
- Suitable for use in a centrifuge: 1400 x g
- Temperature stable: +70 °C

Vol. (ml)	Ø ext. (mm)	Length (mm)	Pack.	Art. No.	Pack Qty.	
5	12	75	500 x 1	EA97.1	500 unit(s)	
5	12	75	20 x 25 (box)	EA98.1	500 unit(s)	
14	17	95	500 x 1	EA99.1	500 unit(s)	
14	17	95	20 x 25 (box)	EC00.1	500 unit(s)	

Polystyrene ungraduated

Material: PS PE closure. Without labelling area.

- Transparent
- Suitable for use in a centrifuge: 1400 x g
- Temperature stable: +70 °C

Vol. (ml)	Ø ext. (mm)	Length (mm)	Pack.	Art. No.	Pack Qty.	
5	12	75	1 x 100 (Bag)	AEX8.1	500 unit(s)	
14	17	95	1 x 100 (Bag)	AEX9.1	500 unit(s)	

Culture tubes



Drosophila vessels

Greiner Bio-One. Material: PS.

Ideal for the cultivation of *Drosophila melanogaster*.

Vol. (ml)	Ø ext. (mm)	Height (mm)	Art. No.	Pack Qty.
28	27	64	CLY6.1	1,500 unit(s)

Accessories plug for Drosophila vessels

Greiner Bio-One. Material: PU foamed (Ceapren), water-repellent, air-permeable.

Ø ext. (mm)	Suitable for	Art. No.	Pack Qty.
26	Vessel volume: 28 ml	CLY8.1	1,500 unit(s)



Drosophila vessels

ROTH SELECTION. Material: PP. Autoclavable: Yes.

Ideal for cultivating drosophila and other insects. Straight-walled for easy storage in racks, filling and sealing.

Ø ext. (mm)	Height (mm)	Art. No.	Pack Qty.
28	85	PK10.2	950 unit(s)
50	100	PK11.1	225 unit(s)



Accessories plug for Drosophila vessels

ROTH SELECTION. Material: PU foamed.

Air-permeable and mite-proof.

Ø ext. (mm)	Height (mm)	Art. No.	Pack Qty.
28	25	PK13.1	100 unit(s)
50	25	PK15.1	100 unit(s)



Culture bottle according to Breed-Demeter square

DWK Life Sciences. Material: DURAN® glass. Autoclavable: Yes.

Technical specifications:

Art. No.	T954.1
Width	48 mm
Height	148 mm

Vol. (ml)	Ø Outer neck (mm)	Art. No.	Pack Qty.
180	28	T954.1	1 unit(s)



Medium bottles

Nalgene. Material: PETG, HDPE screw cap. **Sterile.**

Low permeation of CO₂ and O₂ allows storage of culture media for up to six months. The cap and neck are sealed with a heat-shrink band: Vessel remains sterile as long as the band is intact.

- Transparent
- Square
- Breakproof and robust
- Leak-proof
- Bottle and cap are non-pyrogenic

2000 ml volume with integrated handles for easy handling.

Technical specifications:

Art. No.	C481.1	C482.1	C483.1	C484.1	C485.1	C486.1	C487.1
Length	38 cm	41 mm	52 mm	58 mm	73 mm	93 mm	116 mm
Width	38 cm	41 mm	52 mm	58 mm	73 mm	93 mm	116 mm
Height	63 mm	82 mm	108 mm	147 mm	177 mm	218 mm	270 mm

Vol. (ml)	Outer lid Ø (mm)	Art. No.	Pack Qty.
30	20	C481.1	24 unit(s)
60	24	C482.1	24 unit(s)
125	38	C483.1	24 unit(s)
250	38	C484.1	24 unit(s)
500	38	C485.1	12 unit(s)
1,000	38	C486.1	12 unit(s)
2,000	53	C487.1	6 unit(s)



Culture bottles



A 121 °C



Cell culture media bottle DURAN® TILT

DWK Life Sciences. Material: DURAN® glass, PP screw cap. Autoclavable: Yes.

Can be used in two positions: Upright for storage, tilted at 45° for ergonomic pipetting.

- Compact shape, ideal for low sliding windows in sterile workbenches
- Stackable and space-saving
- Wide opening for easy pipetting
- Ergonomic screw thread for easy opening and closing
- Double volume marking for added convenience

Technical specifications:

Art. No.	EXH2.1
Height	151 mm

Delivery incl. screw cap, white.

Vol. (ml)	Thread	Art. No.	Pack Qty.	
500	GL 56	EXH2.1	4 unit(s)	

Accessories for DURAN® TILT cell culture media bottle

DWK Life Sciences.

Designation	Art. No.	Pack Qty.	
DURAN® bottle tags, silicone, GL56, orange	EXH4.1	20 unit(s)	
DURAN® bottle tags, silicone, GL56, yellow	EXH5.1	20 unit(s)	
DURAN® bottle tags, silicone, GL56, blue	EXH6.1	20 unit(s)	
DURAN® bottle tags, silicone, GL56, purple	EXH7.1	20 unit(s)	
PTFE thread adapter, white, for DURAN® TILT bottles (GL 45 external, GL 56 internal)	EXH8.1	1 unit(s)	
Replacement screw-cap closures GL 56, PP, white	EXK0.1	10 unit(s)	
Self-adhesive labels, polyester, white, Ø 40 mm, for GL 56 screw-cap closures	EXH9.1	60 unit(s)	
White silicone light protection cover, with 4 identification rings (orange, yellow, blue, purple)	EXH3.1	4 unit(s)	



S



Medium bottles

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

- With graduations
- Square
- **Free of DNase, RNase and human DNA**
- Endotoxin-free, free of cytotoxic substances

Technical specifications:

Art. No.	CNA3.1	CNA4.1	CNA5.1
Length	53 mm	77 mm	92 mm
Width	77 mm	53 mm	92 mm
Height	108.3 mm	177.3 mm	218.8 mm

Vol. (ml)	Pack.	Art. No.	Pack Qty.	
100	4 x 25	CNA3.1	100 unit(s)	
500	2 x 25	CNA4.1	50 unit(s)	
1,000	2 x 12	CNA5.1	24 unit(s)	



A 121 °C



Culture bottle with beaded rim

DWK Life Sciences. Material: DURAN® glass. Autoclavable: Yes.

Technical specifications:

Art. No.	T955.1	T956.1	T958.1	T959.1
Ø ext.	50 mm	70 mm	105 mm	150 mm
Height	115 mm	168 mm	237 mm	315 mm

Vol. (ml)	Ø Outer neck (mm)	Art. No.	Pack Qty.	
100	29	T955.1	1 unit(s)	
300	42	T956.1	1 unit(s)	
1,000	46	T958.1	1 unit(s)	
2,500	50	T959.1	1 unit(s)	

Culture bottles



A 121 °C

Culture bottle with a straight neck

DWK Life Sciences. Material: DURAN® glass. Autoclavable: Yes.

Technical specifications:

Art. No.	T962.1	T963.1	T964.1
Ø ext.	70 mm	83 mm	105 mm
Height	170 mm	208 mm	243 mm

Suitable for Erlenmeyer CAP caps K395.1-K397.1

Vol. (ml)	Ø Outer neck (mm)	Art. No.	Pack Qty.
300	38	T962.1	1 unit(s)
500	38	T963.1	1 unit(s)
1,000	38	T964.1	1 unit(s)



A 121 °C



Culture flask Fernbach

DWK Life Sciences. Material: DURAN® glass. Autoclavable: Yes.
Large liquid surface, ideal for cultivating micro-organisms in liquid nutrient media, with improved ventilation for faster growth. Conical shape with a straight neck for Erlenmeyer CAP caps K395.1-K397.1.

Technical specifications:

Art. No.	T965.1
Ø ext.	200 mm
Height	175 mm

Vol. (ml)	Ø Outer neck (mm)	Art. No.	Pack Qty.
1,800	38	T965.1	1 unit(s)



A 121 °C



Culture flask in Erlenmeyer shape

DWK Life Sciences. Material: DURAN® glass. Autoclavable: Yes.
Uniform, straight neck, suitable for Erlenmeyer CAP caps K395.1-K397.1

Technical specifications:

Art. No.	L182.1	L183.1	L184.1	L185.1	L186.1	L187.1	L188.1
Ø ext.	64 mm	79 mm	85 mm	87 mm	105 mm	131 mm	166 mm
Height	114 mm	138 mm	149 mm	161 mm	183 mm	229 mm	302 mm

Vol. (ml)	Ø Outer neck (mm)	Art. No.	Pack Qty.
100	38	L182.1	10 unit(s)
200	38	L183.1	10 unit(s)
250	38	L184.1	10 unit(s)
300	38	L185.1	10 unit(s)
500	38	L186.1	10 unit(s)
1,000	38	L187.1	1 unit(s)
2,000	38	L188.1	1 unit(s)



A 121 °C

Baffled flasks plastic

Nalgene. Material: PC. Autoclavable: Yes.

- Shatter-proof alternative to glass flasks
- Comparable growth rates for *E. coli* and *S. cerevisiae*
- Baffles increase the mixing during trypsinisation, aeration and fermentation in cell culture technology or genetic engineering.

Straight neck

Suitable for Erlenmeyer CAP caps K395.1-K397.1.

Vol. (ml)	Art. No.	Pack Qty.
500	E105.1	1 unit(s)
1,000	E106.1	1 unit(s)

Neck with flanged rim

Vol. (ml)	Art. No.	Pack Qty.
250	E104.1	1 unit(s)
2,000	E107.1	1 unit(s)



Culture flasks



S

Culture flask sterile

Nalgene. Material: PETG, HDPE screw closure, with aeration filter (PTFE membrane, pore size 0.2 µm). **Sterile.**

Suitable for agitation and suspension cultures, for making culture media or storage. The aeration filter enables sterile aeration and reduces the risk of contamination.

- With graduations
- Non-pyrogenic, non-cytotoxic
- Individually packed

Vol. (ml)	Art. No.	Pack Qty.	
125	PX73.1	24 unit(s)	
250	PX74.1	12 unit(s)	
500	PX75.1	12 unit(s)	
1,000	PX76.1	6 unit(s)	
2,000	PX77.1	4 unit(s)	



S

Baffled flasks sterile

Nalgene. Material: PETG, HDPE screw closure, with aeration filter (PTFE membrane, pore size 0.2 µm). **Sterile.**

Suitable for agitation and suspension cultures, for making culture media or storage. The aeration filter enables sterile aeration and reduces the risk of contamination.

- With graduations
- Non-pyrogenic, non-cytotoxic
- Individually packed

Vol. (ml)	Art. No.	Pack Qty.	
125	ETA0.1	24 unit(s)	
250	ETA1.1	12 unit(s)	
500	ETA2.1	12 unit(s)	
1,000	ETA3.1	6 unit(s)	
2,000	ETA4.1	4 unit(s)	



A 121 °C



Baffled flasks WHEATON®

DWK Life Sciences. Material: Borosilicate glass. Autoclavable: Yes.

With four bottom baffles for improved mixing and aeration when cultivating bacterial cultures on orbital shakers or shakers with lateral shaking movement. The constriction in the neck and the flanged rim prevent liquids from spurring out.

Technical specifications:

Art. No.	HYH2.1	HYH3.1	HYH4.1	HYH5.1	HYH6.1
Ø ext.	47 mm	67 mm	82 mm	100 mm	133 mm
Height	83 mm	110 mm	140 mm	180 mm	210 mm

Vol. (ml)	Ø Inner neck (mm)	Art. No.	Pack Qty.	
50	17.5	HYH2.1	1 unit(s)	
125	23.8	HYH3.1	1 unit(s)	
250	28.4	HYH4.1	1 unit(s)	
500	33.1	HYH5.1	1 unit(s)	
1,000	39.5	HYH6.1	1 unit(s)	



A 121 °C

Baffled flasks ROTILABO® with screw closure

ROTH SELECTION. Material: DURAN® glass, screw cap made from PBT, PTFE-coated seal. Autoclavable: Yes.

Culture flask with three integrated baffles for better mixing.

Technical specifications:

Art. No.	LK17.1	LK18.1	LK19.1	LK20.1
Ø ext.	64 mm	85 mm	105 mm	131 mm
Height	109 mm	149 mm	180 mm	225 mm

Ideal for cultivating *S. cerevisiae* (cap not screwed tight).

Vol. (ml)	Thread	Art. No.	Pack Qty.	
100	GL 25	LK17.1	1 unit(s)	
250	GL 32	LK18.1	1 unit(s)	
500	GL 32	LK19.1	1 unit(s)	
1,000	GL 32	LK20.1	1 unit(s)	

Culture flasks



A 121 °C

Baffled flasks ROTILABO®

ROTH SELECTION. Material: DURAN® glass. Autoclavable: Yes.
Culture flask with three integrated baffles for better mixing. Ideal for cultivating *S. cerevisiae* and aerobic bacteria cultures. Flasks with straight necks, suitable for Erlenmeyer CAP caps K395.1-K397.1.

Technical specifications:

Art. No.	LY94.1	LY95.1	LY96.1	LY97.1	LY98.1	PK29.1
Ø ext.	64 mm	85 mm	105 mm	131 mm	166 mm	220 mm
Height	114 mm	149 mm	183 mm	232 mm	305 mm	365 mm

Version	Vol. (ml)	Ø Outer neck (mm)	Art. No.	Pack Qty.	
straight neck	100	38	LY94.1	1 unit(s)	
straight neck	250	38	LY95.1	1 unit(s)	
straight neck	500	38	LY96.1	1 unit(s)	
straight neck	1,000	38	LY97.1	1 unit(s)	
straight neck	2,000	38	LY98.1	1 unit(s)	
neck with flanged rim	5,000	52	PK29.1	1 unit(s)	



A 121 °C



Baffled flasks DURAN® with screw closure

DWK Life Sciences. Material: DURAN® glass, PP screw closure with PTFE membrane. Autoclavable: Yes.

Four baffles on the base create a turbulent flow, enlarge the gas exchange surface area and therefore increase oxygen intake. Automated production ensures a reproducible flask geometry and consistent results.

- Double-thickness walls for exceptional mechanical stability
- With Retrace Code (batch identification)
- Temperature stable up to +140 °C

Technical specifications:

Art. No.	PK16.1	PK17.1	AEP1.1
Ø ext.	81 mm	105 mm	136 mm
Height	145 mm	180 mm	221 mm

Vol. (ml)	Thread	Art. No.	Pack Qty.	
250	GL 45	PK16.1	4 unit(s)	
500	GL 45	PK17.1	4 unit(s)	
1,000	GL 45	AEP1.1	1 unit(s)	



A 121 °C

Screw caps

ROTH SELECTION. Material: PP. Autoclavable: Yes.

For test tubes, culture tubes and straight-neck Erlenmeyer flasks.
For air-tight closure, please also use closure bands or Parafilm® M.

Suitable for	Art. No.	Pack Qty.	
Ø 13 mm	CXK0.1	1,000 unit(s)	
Ø 16 mm	CXK1.1	1,000 unit(s)	
Ø 18 mm	CXK2.1	1,000 unit(s)	
Ø 20 mm	CXK3.1	500 unit(s)	
Ø 25 mm	CXK4.1	500 unit(s)	
Ø 38 mm	CXK5.1	250 unit(s)	

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