

Гомогенизаторы и пестики CARL ROTH ROTILABO

Технические характеристики

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Россия (495)268-04-70

Казахстан (772)734-952-31

Киргизия (996)312-96-26-47

Homogenisers and pestles



A 121 °C

Micro pestle

ROTH SELECTION. Material: PP. Autoclavable: Yes.

For homogenising cells and tissue in reaction vials by hand or using laboratory stirrers.

RNase/DNase-free

Pyrogen-free. Individually packed.

Length (mm)	Suitable for	Art. No.	Pack Qty.
70	reaction vials 0.5 ml	CXH8.1	100 unit(s)
70	reaction vials 1.5 ml	CXH9.1	100 unit(s)

Standard

Length (mm)	Art. No.	Pack Qty.
70	CXH6.1	100 unit(s)
70	CXH7.1	100 unit(s)



A 121 °C

Homogeniser

ROTH SELECTION. Material: PP. Autoclavable: Yes.

For homogenising cells and tissue.

- Conical form, cone tapers from 8.2 to 2.9 mm
- Rounded at the bottom
- Cone length 18 mm
- Shank Ø 5 mm

Length (mm)	Suitable for	Art. No.	Pack Qty.
206	1.5 ml reaction vials	K994.1	6 unit(s)



A 121 °C



Homogeniser ROTILABO®

ROTH SELECTION. Material: Stainless steel 1.4301. Autoclavable: Yes.

For homogenising cells, tissue, foodstuff samples and much more in reaction vials or reagent test tubes manually or using laboratory stirrers. Made from one piece and polished for a perfect fit, perfect transitions, easy to disinfect. Tapered shank for minimal homogenate displacement.

(1) For 0.5 ml reaction vials

- Handle length: 60 mm
- Shank length: 26.3 mm (tapers from 6 to 3 mm)
- Cone length: 10 mm (tapers from 6 to 2.9 mm)

Total length (mm)	Suitable for	Art. No.	Pack Qty.
94	0.5 ml reaction vials	YE13.1	1 unit(s)

(2) For 1.5 ml reaction vials

- Handle length: 69 mm
- Shank length: 40 mm (tapers from 7.9 to 3.5 mm)
- Cone length: 17 mm (tapers from 7.9 to 3.5 mm)

Total length (mm)	Suitable for	Art. No.	Pack Qty.
124	1.5 ml reaction vials	YE14.1	1 unit(s)

(4) For 2 ml reaction vials

- Handle length: 67 mm
- Shank length: 40 mm (tapers from 8 to 3.5 mm)
- Cone length: 11.2 mm (tapers from 8.6 to 1.7 mm)

Total length (mm)	Suitable for	Art. No.	Pack Qty.
120	2 ml reaction vials	YE15.1	1 unit(s)

(3) For 13 ml round-bottom tubes

- Handle length: 100 mm
- Shank length: 75 mm (tapers from 8 to 4.4 mm)
- Cone: Round head, Ø 10 mm

Total length (mm)	Suitable for	Art. No.	Pack Qty.
190	13 ml round-bottom vessels	YE16.1	1 unit(s)



Homogenisers and pestles



A 121 °C



Homogeniser ROTILABO® for 15 ml centrifuge tubes

ROTH SELECTION. Material: Stainless steel 1.4301. Autoclavable: Yes.

For the homogenisation of cells, tissue, foodstuffs samples and much more, manually or using laboratory stirrers.

- Made from one piece and polished for a perfect fit
- Transitions are optimally designed for easy disinfection
- Tapered shank for minimal homogenate displacement
- Handle length 100 mm
- Shank Ø 8 mm (tapers to 4.5 mm)
- Cone Ø 12 mm (tapers to 4 mm)
- Weight 60 g



Accessories pestle for homogeniser

ROTH SELECTION. Material: PTFE (Head), Stainless steel rod.

Grooves on the lower edge. Rod Ø 6.5 mm.

Technical specifications:

Art. No.	TT63.1	TT64.1	TT65.1	TT66.1	TT67.1	TT68.1
Pestle length	230 mm	235 mm	270 mm			

Suitable for	Art. No.	Pack Qty.	
Volume 2 ml	TT63.1	1 unit(s)	
Volume 5 ml	TT64.1	1 unit(s)	
Volume 10 ml	TT65.1	1 unit(s)	
Volume 15 ml	TT66.1	1 unit(s)	
Volume 30 ml	TT67.1	1 unit(s)	
Volume 50 ml	TT68.1	1 unit(s)	

Total length (mm)	Suitable for	Art. No.	Pack Qty.	
185	15 ml centrifuge tubes	NH32.1	1 unit(s)	



Homogeniser

ROTH SELECTION. Material: Borosilicate glass.

Distance between mortar and pestle: 0.15 to 0.25 mm.

Technical specifications:

Art. No.	TT57.1	TT58.1	TT59.1	TT60.1	TT61.1	TT62.1
Mortar length	120 mm	135 mm	150 mm	155 mm	175 mm	195 mm
Ø Internal	8 mm	12 mm	15 mm	16 mm	25 mm	32 mm

Vol. (ml)	Art. No.	Pack Qty.	
2	TT57.1	1 unit(s)	
5	TT58.1	1 unit(s)	
10	TT59.1	1 unit(s)	
15	TT60.1	1 unit(s)	
30	TT61.1	1 unit(s)	
50	TT62.1	1 unit(s)	

Homogenisers and pestles



Micro-homogeniser WHEATON®

DWK Life Sciences. Material: Borosilicate glass WHEATON® 33. High product yield due to smaller friction area. For single use, prevents cross-contamination, e.g. when handling radioactive samples.

Technical specifications:

Art. No.	HLC0.1
Pestle length	88 mm
Mortar length	44 mm
Ø Internal	8 mm

Delivery incl. pestle.

Vol. (ml)	Art. No.	Pack Qty.
0.75	HLC0.1	25 unit(s)



A 121 °C



Micro-homogeniser WHEATON® Potter-Elvehjem

DWK Life Sciences. Material: Borosilicate glass WHEATON® 33. Autoclavable: Yes.

Micro size for extremely precise work, reservoir and pouring lip to make it easier to pour out the sample.

- Mortar dimensions: L 65 x Ø 4 mm
- Gap between pestle and mortar: 0.1–0.15 mm

Technical specifications:

Art. No.	HLC1.1
Pestle length	110 mm
Mortar length	65 mm
Ø Mortars	4 mm

Delivery incl. pestle.

Vol. (ml)	Art. No.	Pack Qty.
0.1	HLC1.1	1 unit(s)



A 121 °C

Micro-homogeniser

ROTH SELECTION. Material: Borosilicate glass. Autoclavable: Yes.

For grinding and homogenising even the smallest quantities, e.g. histology.

Technical specifications:

Art. No.	0296.1	0297.1	0298.1
Mortar length	30 mm	40 mm	50 mm
Ø Internal	4 mm	6 mm	8 mm

Delivery incl. pestle.

Vol. (ml)	Art. No.	Pack Qty.
0.025	0296.1	1 unit(s)
0.1	0297.1	1 unit(s)
1	0298.1	1 unit(s)



A 121 °C

Homogenisers Dounce

ROTH SELECTION. Material: Glass. Autoclavable: Yes.

For grinding of cellular material while preserving the cell nucleus.

Delivery incl. two pestles: Pestle A for coarse grinding, pestle B for subsequent fine grinding.

Vol. (ml)	Length (mm)	Art. No.	Pack Qty.
0.5	37	CXC8.1	1 unit(s)
1	88	CXC9.1	1 unit(s)
2	60	CXE0.1	1 unit(s)
7	125	CXE1.1	1 unit(s)
15	157	CXE2.1	1 unit(s)
40	215	CXE3.1	1 unit(s)
100	232	CXE4.1	1 unit(s)



Homogenisers and pestles



Homogeniser Dual

ROTH SELECTION. Material: Glass.

With tapered and cylindrical areas, for effective grinding and consistent homogenisation of tissue. Ideal for cellular tissue such as muscle, heart and lungs. Distance between mortar and pestle: 0.1 to 0.15 mm.

Technical specifications:

Art. No.	CXE5.1	CXE6.1	CXE7.1	CXE8.1	CXE9.1	CXH0.1
Pestle length	155 mm	210 mm	228 mm	268 mm	305 mm	330 mm
Ø Pestle	4.5 mm	6 mm			10 mm	
Mortar length	80 mm	120 mm	150 mm	175 mm	215 mm	225 mm
Ø Mortars	13 mm	16 mm	18 mm	25 mm	32 mm	38 mm

Delivery incl. pestle.

Vol. (ml)	Art. No.	Pack Qty.
1	CXE5.1	1 unit(s)
3	CXE6.1	1 unit(s)
5	CXE7.1	1 unit(s)
15	CXE8.1	1 unit(s)
30	CXE9.1	1 unit(s)
50	CXH0.1	1 unit(s)



Homogeniser Potter-Elvehjem

ROTH SELECTION. Material: Glass.

For gentle disruption of soft tissue, e.g. for the extraction of cell organelles. Suitable for motor drive by laboratory stirrers. Distance between mortar and pestle: 0.1 to 0.15 mm.

Technical specifications:

Art. No.	CXH1.1	CXH2.1	CXH3.1	CXH4.1	CXH5.1
Pestle length	145 mm	205 mm	215 mm	265 mm	315 mm
Ø Pestle	5 mm	6 mm	8 mm	10 mm	
Mortar length	95 mm	140 mm	150 mm	175 mm	220 mm
Ø Mortars	13 mm	16 mm	18 mm	25 mm	32 mm

Delivery incl. pestle.

Size	Vol. (ml)	Art. No.	Pack Qty.
19	1	CXH1.1	1 unit(s)
21	5	CXH2.1	1 unit(s)
22	8	CXH3.1	1 unit(s)
23	17	CXH4.1	1 unit(s)
24	45	CXH5.1	1 unit(s)

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