

Semi-Automatic Homogenizer schuett homgen^{plus}, schuett-biotec

Speed-stabilized drive-unit

Homogenizing without effort. For gentle homogenizing of sensitive biological samples and tough tissue.

Highly stable and vibration-free due to robust 3-support-construction. High torque drive unit makes it very suitable for use at low speeds.

Electronic rotational speed control variable from 40 to 3,000 rpm. 4-digit LED-display. The fast-action clamping chuck with hollow shaft permits fast and easy replacement of the pestle and permits use of pestles with longer shafts. We highly recommend the use of a quick-grip clamp for glass pestles. Clamping adapters of the cooling vessel suitable for Eppendorf test tubes and homogenizer vessels with outer diameter of 10 to 40 mm. Handy cooling of the samples by ice, which can easily be filled into the cooling vessel after opening the screw cap. The long lever facilitates thorough homogenizing without much effort.

The unit can also be supplied modified for use under a sterile workbench when operating with infectious substances. Please contact us for further details.

Dimensions (W x H x D): 320 x 880 x 300 mm
 Speed control: 80-3.000 rpm
 Power: 230 V, 50 Hz, 330 W
 or: 115 V, 60 Hz, 330 W
 Weight: approx. 15 kg



Article	Order No.
① schuett homgen ^{plus} , 230 V	53 31 01011
Homogenizer drive incl. cooling vessel 1000 ml, universal quick-grip chuck and universal clamping element.	
schuett homgen ^{plus} , 115 V	53 31 01021
Homogenizer drive incl. cooling vessel 1000 ml, universal quick-grip chuck and universal clamping element.	

Accessories

Article	Order No.
Quick-grip chuck for glass pestle	53 31 05010

EPPI micro pestles for use test tubes (Pellet)

Article	Order No.
② EPPI micro pestle made of PP, conical (pack of 10)	53 31 00512
For EPPENDORF® scale homogenizing with 1.5 ml/2.0 ml test tubes. Pestle made of autoclavable polypropylene (reusable). Total length: 70 mm, shaft Ø 4.9 mm	



Article	Order No.
Quick-grip chuck for EPPI pestle made of PP	53 31 00612
Easy changing of the pestle with the motor running. Sterile work with series of samples. Quick-change chuck suitable for all chucks with 8 mm clamp.	



Article	Order No.
③ EPPI micro pestle made of stainless steel, conical (pack of 1)	53 31 00712
For EPPENDORF® scale homogenizing of cells and tissue with 1.5/2.0 ml test tubes (exact fit). No joints, easy to clean/sterilize/disinfect/autoclave. Maximum homogenate displacement by offset shaft. Suitable for working with liquid nitrogen. Total length 100 mm, shaft Ø 4.9 mm	

Glass homogenizer vessels with Teflon pestle

Tapered or cylindrical. Shaft made of stainless steel. Inert. Elastic. With smooth, wax-like, moisture-rejecting surface. Resistant against high temperatures. Also glass-fiber reinforced available, highly efficient with tough material.

Glass homogenizer vessels with Teflon pestle, conical

Vol. ml	Glass vessel type	Glass vessel Order No.	Pestle Order No.
④ 2	1	19 31 05120	19 31 05130
④ 15	1	19 31 05121	19 31 05131
④ 40	1	19 31 05123	19 31 05133



Glass homogenizer vessels with Teflon pestle, cylindrical

Vol. ml	Glass vessel type	Glass vessel Order No.	Pestle Order No.
⑤ 2	2	19 31 05140	19 31 05150
⑤ 5	2*	19 31 05141	19 31 05151
⑤ 10	2	19 31 05142	19 31 05151
⑤ 15	1	19 31 05143	19 31 05151
⑤ 20	2	19 31 05144	19 31 05154
⑤ 30	2	19 31 05145	19 31 05155
⑥ 40	1	19 31 05146	19 31 05155



Glass homogenizer vessels with Teflon pestle, cylindrical, glassfiber reinforces for extremely tough material.

Vol. ml	Glass vessel type	Glass vessel Order No.	Pestle Order No.
⑤ 5	2*	19 31 05141	19 31 05160
⑤ 10	2	19 31 05142	19 31 05160
⑤ 15	1	19 31 05143	19 31 05160
⑤ 30	2	19 31 05145	19 31 05163
⑥ 40	1	19 31 05146	19 31 05163

Glass homogenizer vessels with glass pestle

Tapered or cylindrical. With robust glass shaft. Ground-glass surface in cylindrical/tapered part. Highly efficient with tough tissue.

Glass homogenizer vessels with glass pestle, conical

Vol. ml	Glass vessel type	Glass vessel Order No.	Pestle Order No.
⑦ 2	1	19 31 05240	19 31 05250
⑦ 15	1	19 31 05241	19 31 05251
⑦ 40	1	19 31 05243	19 31 05253

Glass homogenizer vessels with glass pestle, cylindrical

Vol. ml	Glass vessel type	Glass vessel Order No.	Pestle Order No.
⑧ 8	3	19 31 05340	19 31 05350
⑧ 15	3	19 31 05341	19 31 05351
⑨ 40	1	19 31 05343	19 31 05353

Homogenizer-type 1: with overflow flare, with lip

Homogenizer-type 2: cylindrical

Homogenizer-type 2*: as centrifuge tube

Homogenizer-type 3: with overflow flare, without lip

