



Potter S Homogenizer

For gentle cell and tissue disruption

The Potter S homogenizer has been in use in laboratories world-wide for decades and is still going strong. Cell and tissue disruption by shearing forces between the pestle and the wall of the glass cylinder is relatively gentle and even allows the isolation of intact nuclei.

An integrated cooling vessel provides temperature control and at the same time safe fixation of the homogenizer cylinder. Borosilicate glass cylinders are available with ground-in glass pestles or PTFE pestles, maximum sample volume is 60 ml.

Benefits

- disrupts cells and tissues by shearing
- gentle action
- known world-wide for generations

Ordering information

Potter S, including cooling vessel
and one set of clamping rings

BBI-8533024

230 V|50–60 Hz

BBI-8533032

115 V|50–60 Hz

Accessories:

For homogenization complete vessels made of borosilicate glass or homogenizer cylinders and the appropriate PTFE plungers are needed. Complete vessels consist of a glass cylinder and a glass plunger ground to match the cylinder.

For this reason, these components are labelled with an individual number so that they can be properly matched by the user.

All cylinders have a volume scale.

Cylinders and vessels from 2 to 15 ml have a gap of approx. 0.045–0.065 mm, the larger ones have a larger gap of approx. 0.095–0.115 mm.

Technical specifications

Mechanical Data

Dimensions	W × H × D = 300 × 850 × 300 mm
Weight	Approx. 12.5 kg
Housing	Steel construction
Base plate	PVC
Drive	DC motor, brushless

Electrical data

Connection	Class I cold socket, separate cable approx. 3 m
Protection class	I
Line voltage	230 V 50 Hz or 115 V 60 Hz
Amperage	0.3 A at 230 V 50 Hz or 0.6 A at 115 V 60 Hz
Fuses	M 0.63 A at 230 V, M 1.3 A at 115 V
Interference	Class B according to EN 55014

Operating data

Speed	150 to 1500 rpm
Accuracy	max. ±3% of final value
Setting display	Potentiometer, LED
Maximum amplitude	170 mm
Ambient temperature	+10°C to +60°C
Humidity	Avoid extreme humidity

Accessories

01|



Reference	Description
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Vessels made of borosilicate glass, with latticed notches, complete, cylinder with ground-in glass plunger

BBI-854 0756	Homogenizer vessel 2 ml, with latticed notches
BBI-854 0705	Homogenizer vessel 5 ml, with latticed notches
BBI-854 0802	Homogenizer vessel 15 ml, with latticed notches
BBI-854 0900	Homogenizer vessel 30 ml, with latticed notches
BBI-854 1000	Homogenizer vessel 60 ml, with latticed notches

02|



Reference	Description
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Vessels made of borosilicate glass, without latticed notches, complete, cylinder with ground-in glass plunger

BBI-854 1957	Homogenizer vessel 2 ml, without latticed notches
BBI-854 1906	Homogenizer vessel 5 ml, without latticed notches
BBI-854 2007	Homogenizer vessel 15 ml, without latticed notches
BBI-854 2104	Homogenizer vessel 30 ml, without latticed notches
BBI-854 2201	Homogenizer vessel 60 ml, without latticed notches

03|



Reference

Description

Cylinders made of borosilicate glass, for plungers made of PTFE

BBI-854 2252	Homogenizer cylinder 2 ml, for plungers made of PTFE
BBI-854 2309	Homogenizer cylinder 5 ml, for plungers made of PTFE
BBI-854 2406	Homogenizer cylinder 15 ml, for plungers made of PTFE
BBI-854 2503	Homogenizer cylinder 30 ml, for plungers made of PTFE
BBI-854 2600	Homogenizer cylinder 60 ml, for plungers made of PTFE

Plungers made of PTFE, including shaft made of stainless steel

BBI-854 2651	Plunger made of PTFE 2 ml, for cylinder 854 2252
BBI-854 2708	Plunger made of PTFE 5 ml, for cylinder 854 2309
BBI-854 2805	Plunger made of PTFE 15 ml, for cylinder 854 2406
BBI-854 2902	Plunger made of PTFE 30 ml, for cylinder 854 2503
BBI-854 3003	Plunger made of PTFE 60 ml, for cylinder 854 2600

Special accessories for POTTER S

BBI-853 2206	Storage rack for 10 homogenizer cylinders and plungers or complete vessels
BBI-853 3130	Clamping ring for vessels or cylinders 2 ml
BBI-853 3148	Clamping ring for vessels or cylinders 5 ml
BBI-853 3156	Clamping ring for vessels or cylinders 15 ml
BBI-853 3164	Clamping ring for vessels or cylinders 30 ml
BBI-853 3172	Clamping ring for vessels or cylinders 60 ml
BBI-853 3180	Exchange cooling vessel, glass