

HG-400 MiniG®

Tissue homogenizer and cell lyser for rapid cell disruption, cell lysis and homogenization through bead beating



Accommodates a full range of sample vials with an adjustable clamp.

- Small footprint that optimizes bench space
- Vigorous clamp movement results in increased yields
- Consistent vertical motion of the clamp ensures equal conditions for all samples
- Kryo-Tech® accessories are available to preserve temperature-sensitive samples

The HG-400 MiniG is the ideal solution for labs that want a powerful tissue homogenizer and cell lyser. It is equipped with an adjustable clamp that accommodates a full range of sample vials from 2 mL to 50 mL centrifuge tubes or up to two deep-well titer plates. It is specifically designed for cell lysis and tissue homogenization through bead beating, enabling fast and efficient extraction of nucleic acids, proteins, and other molecules of interest.

FEATURES

- Programmable LCD screen
- Automated mechanical disruption through bead beating
- Designed for vigorous up-and-down shaking
- Easy data transfer

APPLICATIONS INCLUDE

- Tissue homogenization
- DNA/RNA research and extraction
- Cell lysis
- Protein extraction
- Biofuel research
- Pesticide residue extraction using QuEChERS or the SweEt method

SAMPLE TYPES INCLUDE

- Animal tissue
- Plant tissue
- Cell cultures
- Fruit
- Cannabis
- Seeds
- Yeast
- Bacteria



HG-400 MiniG
Tissue Homogenizer
and Cell Lyser

Before and Sample Samples – Corn



Specifications

Specification	HG-400
Type of mixer	Homogenizer, bead beater
Display	Digital
Motor	1/7 hp
Run timer	Maximum 10 minutes
Clamp speed	Variable: 500 to 1500 strokes/minute
Clamp travel	3.2 cm (1.25 in)
CE approved	Yes
Voltage	115/230 VAC, 50/60 Hz
Power cord	3-prong grounded plug for 115 VAC or 2-prong European plug for 230 VAC
Dimensions (W x D x H)	28.6 x 43.2 x 54.6 cm (11.25 x 17.0 x 21.5 in.)
Weight	22 kg (49 lb)

Ordering Information

Description	SamplePrep Part Number	Cole-Parmer Item Number
HG-400 MiniG® Tissue Homogenizer and Cell Lyser, 115/230 VAC, 50/60 Hz	1600	04500-08

We've Got a Fresh New Look!

Our new website is live—and it's built to make your sample prep journey smoother than ever. From product info to quick quote requests and easy demo scheduling, everything you need is just a click away.

Scan the QR code or visit cpsampleprep.com to experience it for yourself.



Need a Demo?

- Virtual sample processing – virtual demonstration of the equipment and sample processing
- Physical sample processing – physical testing of your sample with shared results
- Physical equipment testing – a demo unit can be sent to your facility to test before purchasing

Contact us today at sampleprep@coleparmer.com for details.



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

www.wolflabs.co.uk

Tel : 01759 301142

Fax : 01759 301143

sales@wolflabs.co.uk

Please contact us if this literature doesn't answer all your questions.