HG-600
Geno/Grinder® 2010

High-throughput plant & animal tissue homogenizer and cell lyser for effective cell disruption through bead beating

Fast and efficient extraction of nucleic acids, proteins and other molecules.

- Enables increased throughput, improved extraction efficiency and reproducibility
- Designed for rapid cell disruption, cell lysis and tissue homogenization through bead beating
- Ideal tool for QuEChERS method

The Geno/Grinder is a high-throughput plant and animal 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 six deep-well titer plates. It is specifically designed for rapid cell disruption, cell lysis and tissue homogenization through bead beating. This enables fast and efficient extraction of nucleic acids, proteins and other molecules. The Geno/Grinder incorporates a password-protected, touch screen control panel, enabling the user to program run time, rate, cycles and pause time.

A full range of Kryo-Tech accessories are available to preserve temperature-sensitive samples such as proteins and RNA. The Geno/Grinder is also recognized as an excellent automatic axial extractor. It is the ideal tool for the QuEChERS method used for extracting pesticide residues and other organic compounds.

The Geno/Grinder enables increased throughput, improved extraction efficiency and reproducibility over traditional sample preparation methods. A full range of pre-loaded sample vials for different sample types is also available for fast and simple setup.

FEATURES

- Programmable touch screen
- 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
- Pesticide residue extraction
- Protein and metabolite extraction
- Biofuel research
- QuEChERS

SAMPLE TYPES INCLUDE

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

Cole-Parmer®
sampleprep

Geno/Grinder

HG-600 Geno/Grinder
2010 Tissue Homogenizer
and Cell Lyser

Before and Sample Samples – Spelt

Specifications

Specification	HG-600
Type of mixer	Homogenizer, bead beater
Display	Touchscreen
Motor	1/2 hp (3-phase)
Run timer	Maximum 20 minutes (1 cycle), maximum 10 minutes (2 - 5 cycles)
Clamp speed	Variable: 500 to 1750 strokes/minute
Clamp travel	3.2 cm (1.25 in)
CE approved	Yes
Voltage	115 VAC, 60 Hz or 230 VAC, 50 Hz
Power cord	3-prong grounded plug for 115 VAC or 2-prong European plug for 230 VAC
Dimensions (W x D x H)	35.6 x 57.2 x 71.1 cm (14.0 x 22.5 x 28.0 in)
Weight	45.5 kg (100 lb)

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Ordering Information

Description	SamplePrep Part Number	Cole-Parmer Item Number
HG-600 Geno/Grinder 2010 Tissue Homogenizer and Cell Lyser, 115 VAC, 60 Hz	2010-115	04500-17
HG-600 Geno/Grinder 2010 Tissue Homogenizer and Cell Lyser, 230 VAC, 50 Hz	2010-230	04576-84

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.

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Need a Demo?

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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.

Cole-Parmer® sampleprep

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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.

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