

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



- 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

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Typical Applications Include

Tissue homogenization, DNA/RNA research and extraction, cell lysis, pesticide residue extraction, protein and metabolite extraction, biofuel research, and QuEChERS.

Sample Types Include



Plant Tissue



Animal Tissue



Fruit



Cannabis



Yeast

Before & After Samples – Seeds



Specifications

Clamp Movement	3.2 cm (1.25 in) vertical
Clamp Speed	Adjustable from 500 to 1750 strokes/minute
Timer	Digital display in minutes:seconds (max 20:00)
USB Port	Run history is recorded and can be exported
Voltage	115 VAC, 60 Hz or 230 VAC, 50 Hz
CE Approved	Yes
Motor	1/2 HP
Dimensions (W x H x D)	35.6 x 71.1 x 57.2 cm (14.0 x 28.0 x 22.5")
Net Weight	48 kg (106 lb)
Power Cord	3-prong grounded plug for 115 VAC or 2-prong grounded plug for 230 VAC

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Ordering Information

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

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@antylia.com for details.

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