

HG-800 Geno/Grinder®

Automated tissue homogenizer and cell lyser for increased throughput



Enables increased throughput, improved extraction efficiency and reproducibility.

- Integrates with automated robotic systems
- Ideal for the isolation of nucleic acids (DNA/RNA), enzymes, yeast, proteins, viruses, and bacteria
- Accommodates all standard titer plates
- Complete cycle time is two minutes or less

The HG-800 Geno/Grinder is an automated plant and animal tissue homogenizer and cell lyser that integrates with automated, robotic systems. It has the same vigorous, vertical grinding motion as the HG-600 (Geno/Grinder 2010). The average processing time for each cycle is two minutes or less. Versatile clamp accommodates titer plates, vials, and all standard SPE plates.

This automated homogenizer is ideal for high-throughput processing of agricultural, biological, environmental, and clinical samples. It allows users to run one or two preloaded stacked titer plates simultaneously. Samples can be pulverized with or without a buffer using a variety of grinding media.

FEATURES

- Automated bead beating
- Designed for vigorous vertical grinding
- Ideal for isolation of DNA, RNA and proteins
- Cycle time complete in two minutes or less

APPLICATIONS INCLUDE

- High-throughput processing of agricultural, biological, environmental, and clinical samples

SAMPLE TYPES INCLUDE

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

Automated Geno/Grinder®



HG-800 Automated
Geno/Grinder Tissue
Homogenizer and
Cell Lyser

Before and Sample Samples – Strawberries



Specifications

Specification	HG-800
Type of mixer	Automated, vertical impact grinder designed for robotic systems
Display	Digital
Motor	3-phase servo motors
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)	32.7 x 48.0 x 91.1 cm (12.9 x 18.9 x 35.9 in.)
Weight	58 kg (125 lb)

Ordering Information

Description	SamplePrep Part Number	Cole-Parmer Item Number
HG-800 Automated High-Throughput Homogenizer with Clamp for One Microwell Plate	2030	04575-42

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.

65 Liberty Street
Metuchen, NJ 08840, USA
Phone: 1.732.623.0465
Email: sampleprep@coleparmer.com

Cole-Parmer[®]
sampleprep

cpsampleprep.com