

# HG-250 GenoLyte®

Temperature controlled compact  
tissue homogenizer and cell lyser



## Ideal for applications involving sample prep for DNA, RNA, and protein extractions.

- Modern design, quick-connect cooling setup
- Cycles can be programmed with rest periods
- Safety interlock and clamp orientation makes it easy to load/unload samples
- Keep an eye on the grinding process with the clear lid for viewing

The Temperature Controlled GenoLyte is an efficient, compact laboratory homogenizer that uses a circulating chiller to maintain sample temperatures between 0°C and 10 °C while effectively disrupting cellular materials by horizontally oscillating 2 mL vials. Common samples include seeds, stems, roots, leaves, and animal tissue.

Operation is simple: the vials are secured in the sample cooling chamber, and the lid is closed. The controls are checked for the proper running time, rate, and the start button is pushed. When the run is complete, the lid is lifted and the vials are removed. The digital control panel allows you to set the timer in five-second increments; the timer sounds down in one-second intervals.

The vial holder accommodates three vials that are continuously cooled. A circulating chiller is required for continuous temperature control. The GenoLyte is compatible with the Polystat® Circulating Baths or most circulating chiller systems. Purchase chiller and vials separately.

## FEATURES

- Automated bead beating
- High-intensity oscillating motion
- Safe for DNA, RNA and proteins
- Programmable control panel

## APPLICATIONS INCLUDE

- Tissue homogenization
- DNA/RNA research and extraction
- Cell lysis
- Protein extraction
- Biofuel research

## SAMPLE TYPES INCLUDE

- Animal tissue
- Plant tissue
- Cell cultures
- Bacteria
- Yeast
- Stool
- Soil

## Temperature Controlled GenoLyte



HG-250 GenoLyte  
Temperature Controlled  
Tissue Homogenizer and  
Cell Lyser

## Before and Sample Samples – Yeast



## Specifications

Specification	HG-250
Type of mixer	Homogenizer, bead beater (temperature controlled by external chiller)
Display	Digital
Motor	1/7 hp
Run timer	Maximum 5 minutes
Clamp speed	Fixed: 2000, 2500, 3000 rpm
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)	29.2 x 38.0 x 30.0 cm (11.5 x 15.0 x 11.0 in.)
Weight	10.9 kg (24 lb) with external power supply
Warranty	1 year

## Ordering Information

Description	Item Number
HG-250 GenoLyte Temperature Controlled Compact Tissue Homogenizer and Cell Lyser, 115/230 VAC, 50/60 Hz	1200C

For additional information or to request a quote or demo, scan the QR code or visit [spexsampleprep.com](http://spexsampleprep.com)



### 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](mailto:sampleprep@coleparmer.com) for details.

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