

Technical Features

| | |
|---------------------------|---|
| Technology | Bead beating |
| Interface | Touch screen |
| Controls | Programmable settings for frequency, running time and pause time between cycles |
| Custom Programs | Yes, up to 10 programs |
| Time Range | Up to 9999 min |
| Set Cycle Time Gap | Yes |
| Homogenization Frequency | 1 - 70 Hz |
| Acceleration | 2 seconds to reach maximum speed |
| Dimensions | 460 × 460 × 530 mm (L×W×H) |
| Weight | 35 kg (77 lbs) |
| Power Requirement | 220-240V~50 Hz, 2.5 A, 375 W |
| Operating Air Temperature | 10 to 40 °C (50 to 104 °F) |
| Relative Humidity | <70% |
| Maximum Noise Emission | 65 dB |



Features and Benefits



Versatile

Compatible with a wide range of samples and applications
Interchangeable adapters and cans
Room temperature or cryogenic process
Dry or liquid process



Lab-friendly

User-friendly interface with intuitive touchscreen
Automatic and user-defined programs
Limited noise level
No cross-contamination between operations
One minute run cycle



High Throughput

Up to 64 samples processed simultaneously



Small Footprint

46 x 46 x 53 cm

Visit us on the Web at geneye.com
Contact us at info@geneye.com

The information provided in this literature was reviewed for accuracy at the time of publication.
Product data may be subject to change without notice.
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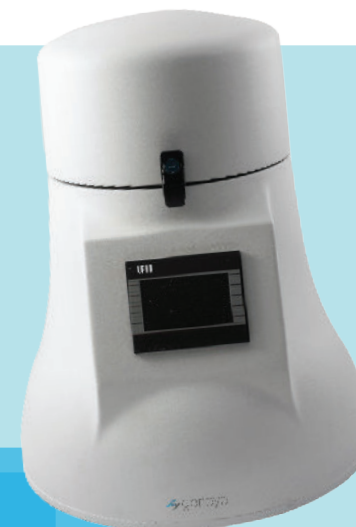
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UPHO

Ultimate Sample Homogenizer

Disrupt and process several samples for more accurate results

Versatile, lab-friendly and affordable



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Accessories

Adapters and Cans

Material: metal, plastic, PTFE and steel
Volume: 2, 5, 10, 15, 50 mL



Beads

Material: metal, glass, ceramic and steel
Diameter: 0.1 to 15 mm



Sample Types



Plant tissue

Roots, stems, leaves, flowers, fruits, seeds

Animal tissue

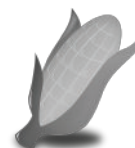
Brain, heart, lung, stomach, liver, thymus, kidney, intestine, lymph node, muscles, bones, skin



Fungi and Bacteria

Culture, enrichment broth

All types of food



Applications



Laboratory Applications

Sample preparation
Grinding
Homogenization
Material dispersion
DNA, RNA, protein and chemicals extraction
Cell fractionation
Organelle isolation



Market Applications

Pharmaceuticals and cosmetics
(Drug discovery process, toxicity and dosage)

Molecular biology research

Food science (Determination of preservatives, microbiology, pesticides, residues, growth hormones, antibiotics)

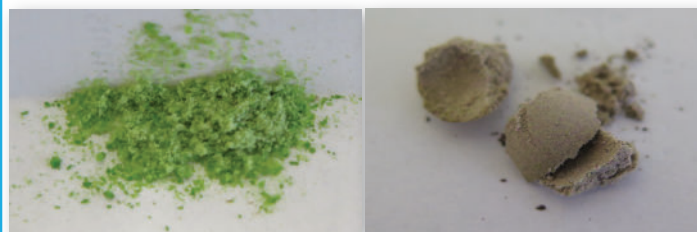
Forensic/Toxicology (Identity confirmation, poisoning/overdose)

"UPHO is very intuitive."

"The reaction tubes and steel cans fit easily into the adapters."

"The powder that was produced from plant samples was of the same quality or even more finely ground than competition."

"The frequencies applied were higher than competition, without causing damage to the vials"



Feedback of Dr. Simon Stutz
University of Stuttgart

Samples: *Arabidopsis* leaves, rosettes and roots