

UPHO

ULTIMATE SAMPLE HOMOGENIZER

Disrupt and process several samples for more accurate results
Versatile, lab-friendly and affordable



UPHO MAIN FEATURES



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

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)



SAMPLE TYPES

PLANT TISSUE

Roots, stems, leaves, flowers, fruits, seeds



ANIMAL TISSUE

Brain, heart, lung, stomach, liver, thymus, kidney, intestine, lymph node, muscle, bone, skin



FUNGI AND BACTERIA

Culture, enrichment broth



ALL TYPES OF FOOD



TESTIMONIAL

"UPHO is **very intuitive**..."

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

"The powder that was produced from plant samples was at least 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 root

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 Acceleration	1 - 70 Hz
Acceleration	2 seconds to reach maximum speed
Dimensions	460 x 460 x 530 mm (LxWxH)
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	65 dB

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



UPHO

Thank you
for choosing
UPHO!



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