

HT Homogenizer

For high throughput sample disruption

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Sample Preparation Products

CAT# OP-TH01



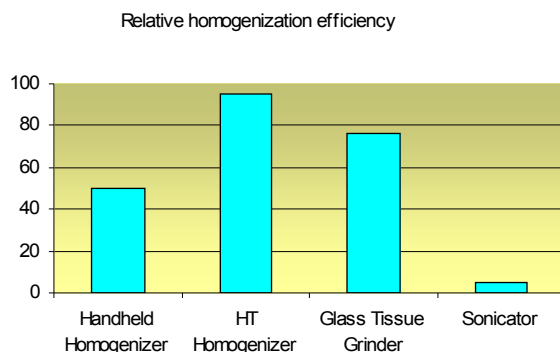
Benefits

- ❖ Small footprint and quiet operation
- ❖ Processes samples in microwell plates, deep well plates, microfuge tubes and vial sets
- ❖ Dynamic speed range which can be used for homogenization and mixing
- ❖ Linear motion assures all sample wells are processed the same
- ❖ Most cost effective, linear motion mixer mill/bead beater

Description

The HT Homogenizer is a very effective tool for the high throughput grinding and disruption of microorganisms, tissues, and matrices. Designed for microwell plates, vial sets, and tubes, the HT Homogenizer is the smallest yet most powerful homogenizer available. The powerful 1600 strokes per minute platform provide energy to grind even seeds, kernels, and bone. Small tissue samples and leaf punches can be homogenized in minutes in 96 well formats for subsequent processing by automated workstations. Larger vials can accommodate up to 15 corn kernels for field trials, making the HT Homogenizer useful for individual and pooled sample preparation.

Eliminate the bottleneck of sample homogenization while increasing the efficiency of disruption



Key Features

HT Homogenizer – Applications and Accessories

- ❖ Linear, horizontal processing motion which is effective for all samples including flat grasses
- ❖ Dynamic speed of 50 to 1600 cycles per minute
- ❖ Analog timer for runs up to 10 minutes
- ❖ Adjustable lid that allows for deep well plates, vials, and microfuge tubes
- ❖ Powerful acceleration that allows for the homogenization of hard samples such as corn kernels, bone, and fibrous tissue

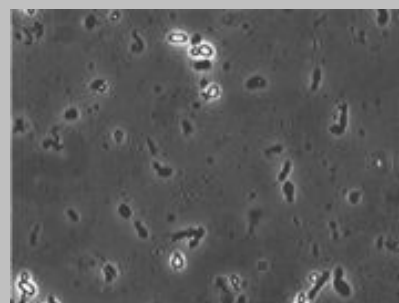
Examples of Samples Disrupted with the HT Homogenizer



Corn Kernels



Mouse Muscle



Saccharomyces

Applications

- ❖ High throughput disruption of animal tissue, plant tissue, and microorganisms in deep well plates for DNA, RNA, and protein isolation
- ❖ Homogenization of hard-to-grind samples such as seeds and bone in 24 well vial sets
- ❖ Processing of large samples and pooled seeds in 15 ml polycarbonate vials
- ❖ Mixing and emulsification of viscous liquids

Accessories for HT Homogenizer

Product Number	Description	Quantity	Cost
OP-GBSS 156-5000-01	Grinding Balls, Stainless Steel	5000	Varies
OP-PCVS 15-050-01	15 ml Polycarbonate Vial Sets	Case of 10	\$249
OP-PCVS 04-240-02	24 Well Polycarbonate Vial Sets	Case of 10	\$249
OP-PCVS 04-240-03	24 Well Polycarbonate Vial Sets with lined Caps	Case of 10	\$270
OP-PEVS 04-240-04	24 Well Polyethylene Vial Sets	Case of 10	\$202
OP-PEVS 04-240-05	24 Well Polyethylene Vial Sets with lined Caps	Case of 10	\$223

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