

# HT Homogenizer

## For high throughput sample disruption

**OPS Diagnostics, LLC**  
672 Rt. 202-206 North  
Bridgewater, NJ 08803

TEL (908) 253-3444  
FAX (908) 575-1660  
Email: [info@btc-bti.com](mailto:info@btc-bti.com)

## Sample Preparation Products



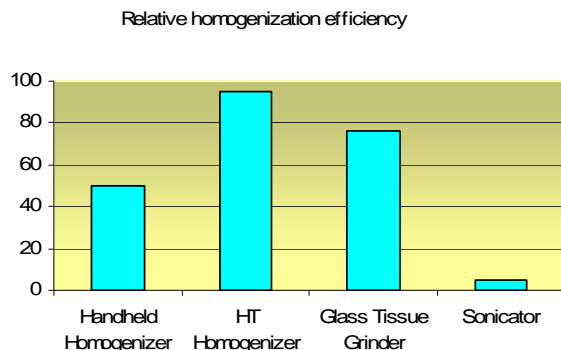
### Benefits

- ❖ 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**



# HT Homogenizer – Applications and Accessories

## Key Features

- ❖ 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

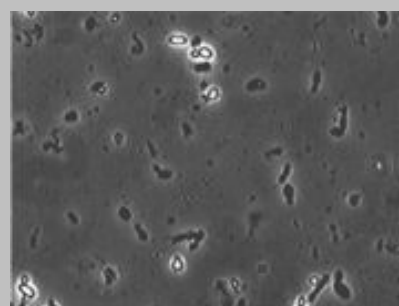
### Examples of Samples Disrupted with the HT Homogenizer



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

| Cat. No.         | Description                                       | Quantity  |
|------------------|---|-----------|
| GBSS 156-5000-01 | Grinding Balls, Stainless Steel                   | 5000      |
| PCVS 04-240-02   | 24 Well Polycarbonate Vial Sets, 10 Sets per Case | 240 vials |
| PEVS 04-240-04   | 24 Well Polyethylene Vial Sets, 10 Sets per Case  | 240 vials |
| PCVS 15-050-01   | 15 ml Polycarbonate Vial Sets, 10 Sets per Case   | 50 vials  |
| GBD 96-01        | Grinding Balls/Bead Dispenser                     | 1 each    |

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