

# OMNI

## *BEAD RUPTOR 24*

### Bead Mill Homogenizer



- Unique Front-Loading Design
- Consistent & High-Quality Results
- No Cool Down
- Broadest Range of Speed & Sample Types
- Interchangeable adapters



**OMNI**  
International

[TheHomogenizerCompany.com](http://TheHomogenizerCompany.com)

# OMNI BEAD RUPTOR

## Bead Mill Homogenizer

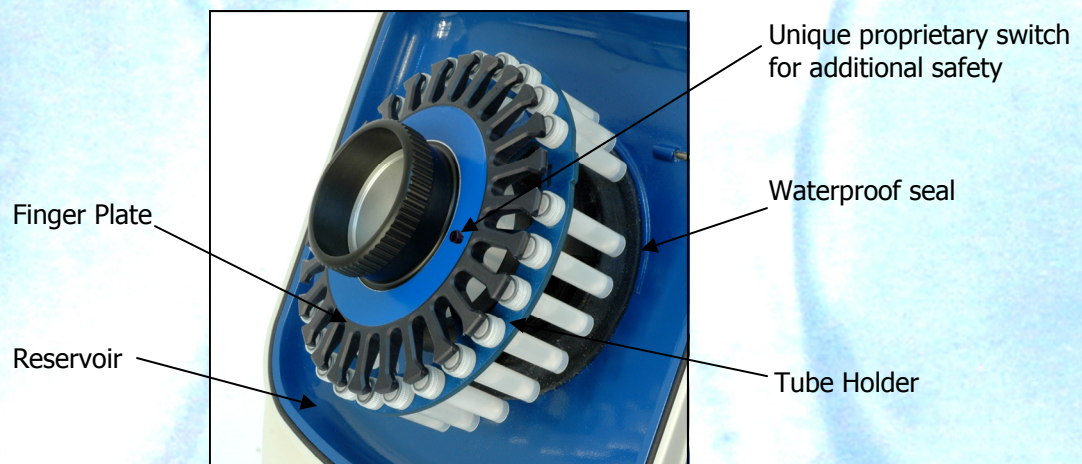
The Omni Bead Ruptor 24 is the newest generation of bead mill homogenizers. This system is specifically designed for the grinding, lysing and homogenization of biological samples prior to any molecular extractions.



- Simultaneously homogenize either 24 x 2mL or 12 x 5mL tubes
- Unique front-loading tube holder position for ease of use and optimal bead/sample interactions
- Broad speed range for any type of sample processing
- High reproducibility: number of cycles, time, speed, dwell/ pause
- No Cool-down between runs: process of hundreds of samples per day
- 99 program pre-set memory
- Advanced sample temperature monitoring system
- Multi-lingual user interface
- Disposable tubes ensure no threat of cross-contamination or sample degradation

Using sample tubes pre-filled with a variety of lysing beads, the Bead Ruptor 24 vigorously and uniformly shakes the tubes providing an efficient, consistent, high-yield and quality homogenization usually in less than 40 seconds.

The Omni Bead Ruptor 24 is an ideal solution for releasing DNA, RNA, proteins, enzymes, etc. from very tough samples while still retaining molecular integrity.

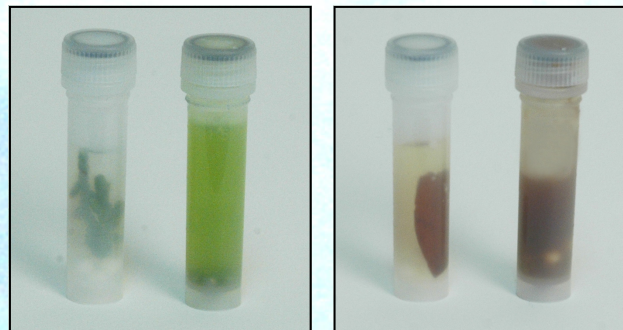




## Omni Bead Ruptor Lysing Kits are available with Plastic or Stainless Steel pre-filled sample tubes.

Our lysing tubes are ideally suited for nucleic acid, drug, proteins, enzymes, virus etc. extractions.

### Before & After



Efficiently lyse with or without buffer:

- Human
- Animal
- Plant and food
- Micro-organisms
- Soil and sediments
- Forensic, swabs, feces
- Drugs, polymers, lotions etc.



#### **1.4mm & 2.8mm Ceramic Beads**

Ideal for soft animal, plant or human tissues:

- brain
- liver
- skin
- leaves
- gonad
- muscle, etc.



#### **0.7mm Garnet Beads**

"Universal" bead mix

- Good for tough samples
- Not for use with soil



#### **2.38mm Metal Beads**

Ideal for any hard tissue types:

- hair
- teeth
- bones
- seeds
- corn
- rice
- nail, etc.



#### **0.15mm & 0.25 Carbide Beads**

Ideal for microbial and soil RNA



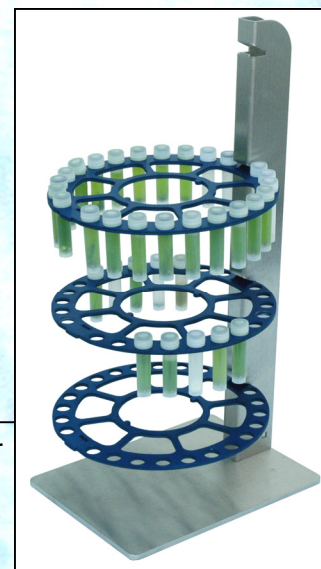
#### **0.1mm & 0.5mm Glass Beads**

Ideal for microorganisms

Optimal for:

- spores
- fungi
- yeast
- e-coli, etc.

Unique Bead Ruptor Tube Rack for sample storage down to -80°C.



Visit our **Application Database** to find the right process for your specific sample types!

[www.omni-inc.com/apps](http://www.omni-inc.com/apps)

**The Omni Bead Ruptor 24 is ideally suited for:**

- DNA / RNA electrophoresis
- Liquid chromatography
- Northern, Southern, Western blot analysis
- Enzyme isolation
- Protein purification and production
- Food safety, GMO detection
- Cosmetic preparation
- Environmental surveys
- BSE Screenings
- Drug detections
- qPCR, RT-PCR
- And many more....



**Specifications:**

**Processing Range:** .03mL to 6mL  
**Power Rating:** 100-230 VAC/ 50-60 Hz  
**Dimensions:** 15.5" (W) x 17" (D) x 13" (H) [24" tall with lid open]  
**Weight:** 24 kg (54 lbs.)  
**Compliance:** FCC Part 15 and CE Compliance  
**Run Time:** 1 second—9:59 minutes  
**Number of Programs:** 99 Saved Programs  
**Number of Cycles:** 1—10  
**Speed:** 2,000rpm—5,000rpm by 100 rpm increments  
**Dwell/Pause:** 0—9:59 minutes



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