

# Bead Ruptor™ 96

## WELL PLATE HOMOGENIZER



**Versatility realized**  
**Throughput enabled**



# Bead Ruptor™ 96 Well Plate Homogenizer

## Specifications

**Compatibility:** Cryogenic milling, well plate processing, bead milling in micro centrifuge and screw cap tubes.

**Accessories:** Sealed stainless steel jars, SBS format well plate, 96 well storage tubes and micro centrifuge/screw cap tube holders.

**Processing Range:** 25 µL to 50 mL

**Performance Range:** 1 – 30 Hz with digital controls

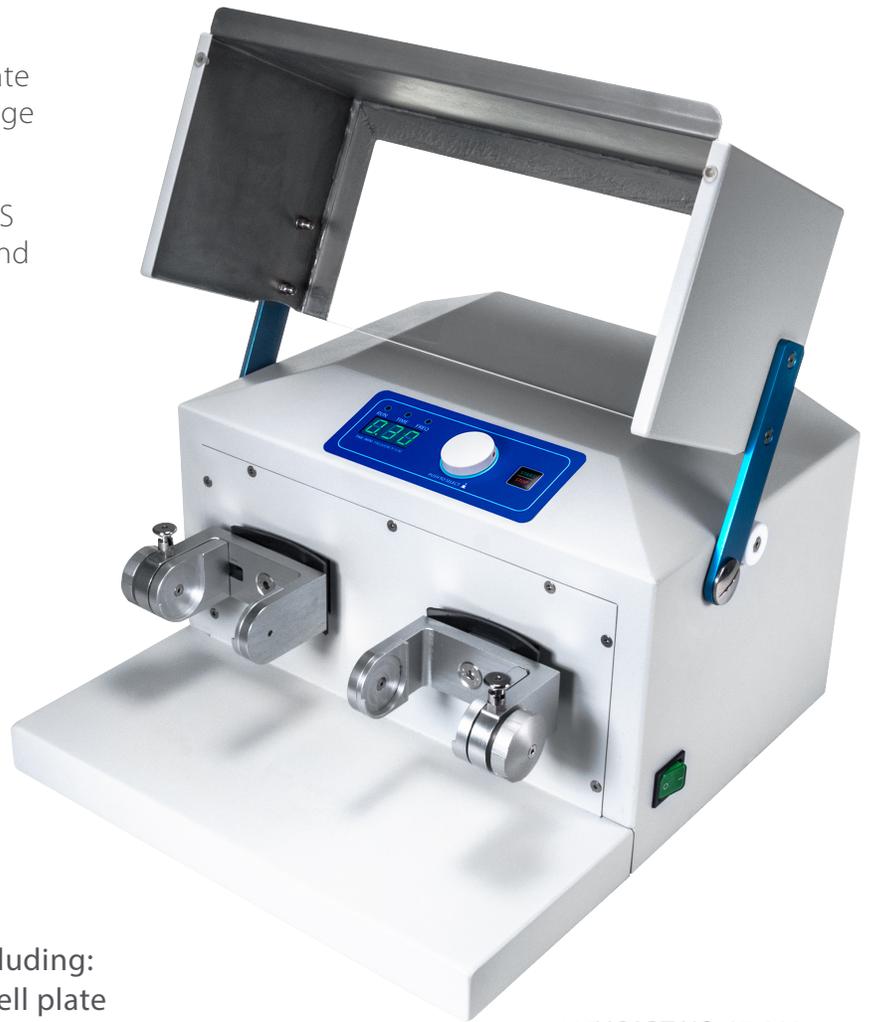
**Run Time:** 1s - 99 min. Most samples processing in under 1 min.

**Power Rating:** 100-230 VAC/50-60 Hz

**Dimensions:** 15" W x 17" D x 13" H

**Weight:** 42 kg (92 lbs.)

**Compliance:** CE



115V PART NO. 27-0001  
230V PART NO. 27-0002

## Features

- Multiple sample processing modes including: sealed jar milling, cryogenic milling, well plate homogenizing, bead beating in sealed micro centrifuge, screw cap tubes, and 2D barcoded 96 well storage tubes.
- High throughput processing: Dissociate up to 384 samples per cycle.
- Digital controls ensure reproducibility.
- Large processing swath ensures high impact forces.
- 30 Hz frequency ensures rapid processing.
- Integrated safety lid.
- Wide range of accessories including well plate, tube holders and sealed jars for wet, dry or cryogenic milling.

## Ideal for

- Bead milling in 96 well plates, bead tube processing and milling applications.
- Dry grinding of powders.
- Cryogenic milling of tough materials including plastics, plants, tissues and bone.
- Dry milling of grains, hay, soils, powders, ceramics or pigments.
- Rapid DNA, RNA or protein extraction from tissues, plants, cells, bones or hair.

## Accessories

PART NO.	Description	Qty
27-101	Bead Ruptor 96 Well Plate Adapters (Each Adapter holds 1 x 2 mL Deep Well, 2 x 1 mL or 3 Standard SBS Format Well Plates)	2
27-106	Microtube or Screw Cap Tube Holders (Each Holder accommodates 48 x 1.5 mL or 48 x 2 mL screw cap tubes)	2
27-004	25 mL Milling Jars and O-Rings	2
27-006	50 mL Milling Jars and O-Rings	2
27-203	10 mm Milling Balls	10
27-206	25 mm Milling Balls	5
27-6005	2 mL Deep Well Plates Pre-Filled with 5 mm Stainless Steel Beads	5
27-6006	2 mL Deep Well Plates Pre-Filled with 0.1 mm Ceramic Beads	2
27-6007	2 mL Deep Well Plates Pre-Filled with 0.1 mm Ceramic Beads	10
27-6009	2 mL Deep Well Plates Pre-Filled with 1.4 mm Ceramic Beads	10
27-6011	2 mL Deep Well Plates Pre-Filled with 1.4 mm Ceramic Beads	2
27-520	96 Deep Well Plates	10
27-530	Sealing Mats for 2 mL 96 Deep Well Plates	1
27-107	96-Well 2D Barcoded Storage Tube Adapter for Micronic and FluidX Tubes	2
27-108	96-Well 2D Barcoded Storage Tube Adapter for Matrix Tubes	2
27-1003	50 mL Tube Holders	2
27-7005	5 mm Stainless Steel Beads Bulk, 325 g	1
19-6001	2 mL Stainless Steel Lysing/Grinding Cryo Tube	2



Well Plate Tube Carriage



Microtube or Screw Cap Tube Holder



25 mL Milling Jars



50 mL Milling Jars



10 mm Milling Balls



25 mm Milling Balls



Thermo Scientific Matrix™



Micronic 1.10



Micronic 1.40



Micronic 1.40



FluidX™



50 mL Tube Holders



2 mL Stainless Steel Tubes



2 mL Well Plate



2 mL Well Plates Pre-Filled with 5 mm Stainless Steel Beads

For research use only.  
Not for use in diagnostic procedures.

# Bead Ruptor™ 96 Well Plate Homogenizer

OMNI offers a selection of Beads and Tubes  
for ultimate versatility

A variety of bead media are available for different sample types.  
OMNI's various tube sizes fit a range of sample volumes.  
With the Bead Ruptor™ 96 homogenizer's vigorous and uniform shaking,  
all samples are consistently homogenized.

## A selection of our best-selling Bead Kits:

### 2 mL PRE-FILLED BEAD MILL TUBES

	PART NO.
Hard Tissue Grinding Mix, 2 mL	19-620
Micro-organism Lysing Mix, 2 mL	19-621
Soft Tissue Homogenizing Mix, 2 mL	19-627
Hard Tissue Homogenizing Mix, 2 mL	19-628

### 1.5 mL PRE-FILLED BEAD MILL TUBES

	PART NO.
Soft Tissue Homogenizing Mix, 1.5 mL	19-617
Hard Tissue Homogenizing Mix, 1.5 mL	19-618
Hard Tissue Grinding Mix, 1.5 mL	19-610

## Tube Selection Guide

Tube Size	20 µL	100 µL	1 mL	5 mL	15 mL	30 mL	50 mL
0.5 mL	20 µL - 300 µL						
1.5 mL	20 µL - 1.5 mL						
2 mL		100 µL - 1.8 mL					

VOLUME RANGE



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