

Versatility realized.  
Throughput  
enabled.

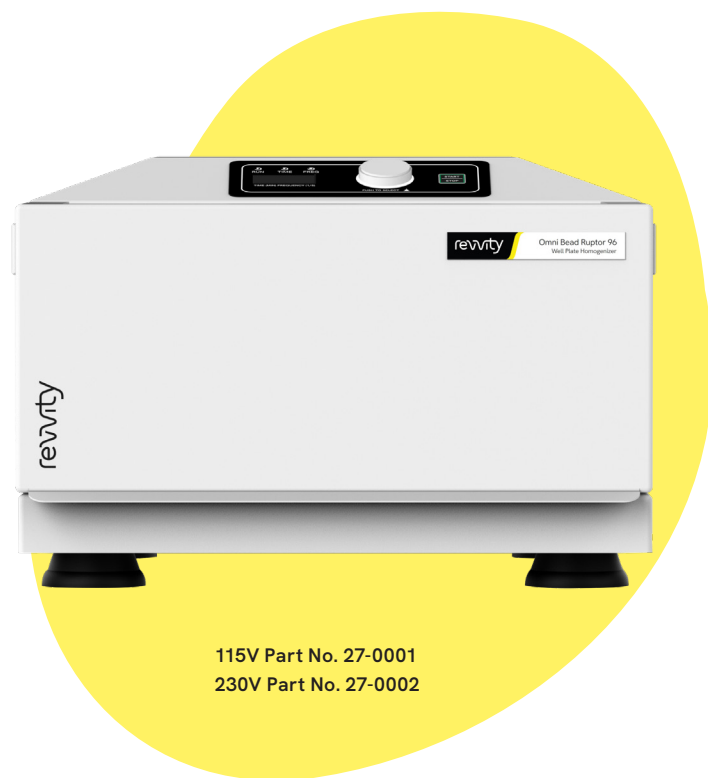


revvity

Omni Bead Ruptor™ 96  
well plate homogenizer

# The ultimate in homogenization versatility

- 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.



## Specifications

<b>Compatibility</b>	Cryogenic milling, well plate processing, bead milling in micro centrifuge and screw cap tubes.
<b>Accessories</b>	Sealed stainless steel jars, SBS format well plate, 96 well storage tubes and micro centrifuge/screw cap tube holders.
<b>Processing range</b>	25 µL to 50 mL
<b>Performance range</b>	Variable from 3 to 30 Hz in 0.1 Hz steps
<b>Run time</b>	5 sec - 99 min, timer HOLD function in 1 sec steps (below 10 min) or 10 sec steps (above 10 min)
<b>Power rating</b>	100-230 VAC, 50/60 Hz
<b>Dimensions</b>	W: 15" (38.5 cm), D: 17" (42.0 cm), H: 9.5" (24.0 cm) with lid open H: 18.3" (46.5 cm)
<b>Weight</b>	92 lbs. (42 kg)
<b>Compliance</b>	CE & UKCA Approved

## 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	Quantity
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
27-250	Milling jar wrenches	2
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 adapters (each adapter accommodates 48 x 1.5 mL or 48 x 2 mL screw cap tubes)	2
27-107	Adapter for Micronic and FluidX tubes	2
27-108	Adapter for Thermo Matrix, Micronic and FluidX Tubes	2
27-520	96 deep well plates	10
27-530	Sealing mats for 2 mL 96 deep well plates	10
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
27-1003	50 mL tube holders	2
19-900S	Active grinding media	50
19-6650	50 mL Tubes with Screw Caps	100
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



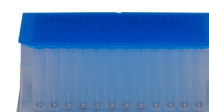
2 mL Stainless Steel Tubes



Sealing Mats



2 mL Well Plate



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

## Revvity offers a selection of beads and tubes for ultimate versatility

A variety of bead media are available for different sample types. Our various tube sizes fit a range of sample volumes. With the Omni 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.	1.5 mL pre-filled bead mill tubes	Part No.
Hard Tissue Grinding Mix 2.4 mm Metal	19-620	Soft Tissue Homogenizing Mix, 1.5 mL	19-617
Micro-Organism Lysing Mix 0.1 mm Glass	19-621	Hard Tissue Homogenizing Mix, 1.5 mL	19-618
Soft Tissue Homogenizing Mix 1.4 mm Ceramic	19-627	Hard Tissue Grinding Mix, 1.5 mL	19-610
Hard Tissue Homogenizing Mix 2.8 mm Ceramic	19-628		

### Tube selection guide

Tube size	20 $\mu$ L	100 $\mu$ L	1 mL	5 mL	15 mL	30 mL	50 mL
0.5 mL	20 $\mu$ L - 300 $\mu$ L						
1.5 mL	20 $\mu$ L - 1.5 mL						
2 mL		100 $\mu$ L - 1.8 mL					




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