Versatility realized. Throughput enabled.

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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 with ability to save programs and cycles.
- 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.



120V Part No. 27-0003
220V Part No. 27-0004

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	Variable from 3 to 30 Hz in 0.1 Hz steps
Stroke	32 mm
Maximum Recommended Weight	2 x 600 g
Run time	5 sec - 99 min, timer HOLD function in 1 sec steps (below 10 min) or 10 sec steps (above 10 min)
Power rating	100-230 VAC, 50/60 Hz
Maximum Power Consumption	200 W
Dimensions	W: 15.7″ (40.0 cm), D: 18.5″ (47.1 cm), H: 10.0″ (25.6 cm) with lid open H: 22.4″ (57.0 cm)
Weight	100 lbs. (45.5 kg)
Compliance	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.

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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

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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.
Hard Tissue Grinding Mix 2.4 mm Metal	19-620
Micro-Organism Lysing Mix 0.1 mm Glass	19-621
Soft Tissue Homogenizing Mix 1.4 mm Ceramic	19-627
Hard Tissue Homogenizing Mix 2.8 mm Ceramic	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					



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