

# Bead Ruptor Elite™

## BEAD MILL HOMOGENIZER



Sample Preparation  
Made Easy

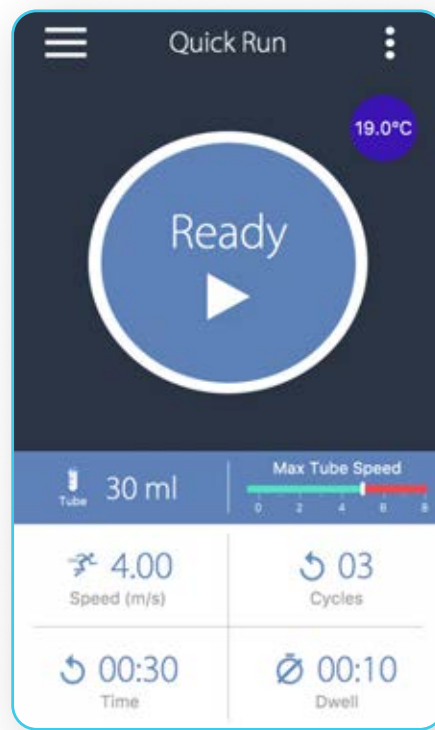


**OMNI**  
International  
a PerkinElmer company

# Bead Ruptor Elite™ Bead Mill Homogenizer



## Touch Screen Interface



## Specifications

**Processing Range:** 25 µL to 50 mL

**Power Rating:** 115-230 VAC/50-60 Hz

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

**Weight:** 29 kg (65 lbs.)

**Compliance:** CE

**Run Time:** 1s - 9:59 m

**Performance Range:**  
0.8 m/s - 8 m/s  
in increments of 0.15 m/s

## Ideal for

- DNA/RNA extraction
- Tissue homogenization
- Enzyme isolation
- Protein purification
- Food safety testing
- Drug extraction
- qPCR, RT-PCR, electrophoresis, and mass spectrometry

## Features

- Touch Screen Interface
- Optimized tube motion with speeds up to 8 m/s
- Process up to 24 samples per cycle
- Convenient front loading design
- Locking Safety Lid
- Optimate™ Software
  - Intuitive user interface
  - Customize and save programs
- Widest range of accessories available
- Process samples from 25 µL to 50 mL

The Bead Ruptor Elite™ Bead Mill Homogenizer is designed for grinding, lysing, and homogenizing biological samples prior to molecular extraction. Available with a wide range of accessories the Bead Ruptor Elite™ Bead Mill enables processing of samples in volumes ranging from 0.5 mL to 50 mL.

The optional Bead Ruptor™ Cryo Cooling Unit (19-8005) is designed to minimize the increase of sample temperature during the homogenization process.



Bead Ruptor™ Cryo Cooling Unit  
ORDER NO. 19-8005

# Bead Ruptor Elite™ Bead Mill Homogenizer

## Bead Mill Accessories



**ORDER NO. 19-042E**  
Includes Universal Finger Plate 19-370



### Bead Ruptor Elite™ 1.5 mL Microcentrifuge Tube Carriage

**ORDER NO. 19-372**

- Capacity: 24 x 1.5 mL Microcentrifuge Tubes
- Volume Range: 200  $\mu$ L - 1 mL
- Compatible with most 1.5 mL Microcentrifuge Tubes
- Force Limit: Maximum speed of 8 m/s



### Bead Ruptor Elite™ 2 mL Tube Carriage

**ORDER NO. 19-373**

- 24 x 2 mL Skirted Screw Cap Tubes
- Volume Range: 200  $\mu$ L - 1.5 mL
- Requires OMNI 2 mL Tubes
- Force Limit: Maximum speed of 8 m/s



### Bead Ruptor Elite™ 7 mL Tube Carriage

**ORDER NO. 19-374**

- Capacity: 12 x 7 mL Skirted Screw Cap Tubes
- Volume Range: 0.5 mL - 5 mL
- Requires OMNI 7 mL Tubes
- Force Limit: Maximum speed of 6 m/s



### Bead Ruptor Elite™ 15 mL Tube Carriage with 15 mL Finger Plate

**ORDER NO. 19-375**

- Capacity: 12 x 15 mL Screw Cap Conical Centrifuge Tubes
- Volume Range: 500  $\mu$ L - 10 mL
- Requires OMNI 15 mL Tubes
- Force Limit: Maximum speed of 5 m/s



### Bead Ruptor Elite™ 30 mL Tube Carriage

**ORDER NO. 19-376**

- Capacity: 6 x 30 mL Tubes
- Volume Range: 5 mL - 30 mL
- Requires OMNI 30 mL Tubes
- Force Limit: Maximum speed of 5 m/s



**Universal Finger Plate**  
included with  
**Bead Ruptor Elite™ Bead Mill**  
**ORDER NO. 19-370**



### Bead Ruptor Elite™ 50 mL Tube Carriage

**ORDER NO. 19-377**

- Capacity: 3 x 50 mL Tubes
- Volume Range: 5 mL - 50 mL
- Requires OMNI 50 mL Tubes
- Force Limit: Maximum speed of 5 m/s

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

# Bead Ruptor Elite™ Bead Mill Homogenizer

OMNI offers a variety 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™ Bead Mill'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

	ORDER 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

### 7 mL PRE-FILLED BEAD MILL TUBES

	ORDER NO.
Soft Tissue Homogenizing Mix, 7 mL	19-677
Hard Tissue Homogenizing Mix, 7 mL	19-678
Hard Tissue Grinding Mix, 7 mL	19-670

### 30 mL PRE-FILLED BEAD MILL TUBES

	ORDER NO.
Hard Tissue Grinding Mix, 30 mL	19-6350

## Tube Selection Guide

Tube Size	VOLUME RANGE						
	20 µL	100 µL	1 mL	5 mL	15 mL	30 mL	50 mL
0.5 mL	20 µL - 300 µL						
1.2 mL stripwell	20 µL - 800 µL						
1.5 mL	20 µL - 1.5 mL						
2 mL	100 µL - 1.8 mL						
7 mL			1 mL - 5 mL				
15 mL				5 mL - 15 mL			
30 mL					5 mL - 30 mL		
50 mL						5 mL - 50 mL	



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