



OMNI  
INTERNATIONAL

The Homogenizer Company™

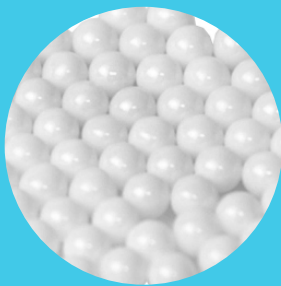
# Bead Mill Consumables

*Bead Ruptor Bead Tube Kits include everything you need to homogenize efficiently*

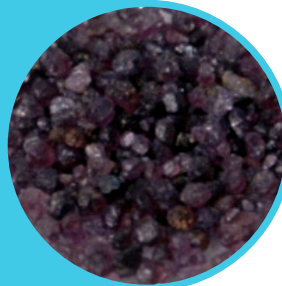
**BEAD BEATING** is the most effective and versatile lysis method available. Omni International offers users the ultimate flexibility with a range of bead beating tubes and lysing matrices to support efficient homogenization of a wide range of samples. Bead Ruptor bead beating tubes can be purchased in bulk or pre-filled with an optimized amount of lysing matrix to provide efficient, consistent, and high-yield sample homogenates.



Metal



Ceramic



Garnet

*Bead mill homogenizers allow for closed vessel and multiple sample processing with no risk of cross-contamination. These homogenizers are very beneficial to laboratories that often process multiple small-volume samples.*























































































## Features

- > Wide variety of lysing matrices available
- > Tubes are optimized to withstand high impact forces
- > Multiple purity grades to ensure high analyte integrity

# Pre-filled Bead Mill Tubes

## BEAD MILL HOMOGENIZER SUPPLIES

Bead Media	Tube Size	Bead Size	Description	Quantity	Order #	Bead Ruptor Compatibility			DNase/Rnase Free	Microbial DNA Free
						BR4	BR12	BR 24		
Glass	2 mL	0.1 mm	Micro-Organism Lysing Mix	50	19-621					
		0.5 mm	Tough Micro-Organism Lysing Mix	50	19-622					
		0.5 mm	Tough Micro-Organism Lysing Mix	50	19-622D					
Garnet	0.5 mL	0.15 mm	Small Volume Micro-Organism Lysing Mix	50	19-623					
	2 mL	0.7 mm	Hard & Fibrous Tissue Homogenizing Mix	50	19-624					
Carbide	0.5 mL	0.25 mm	RNA Extractions, Micro-Organism & Soil Homogenizing Mix	50	19-625					
Metal	1.5 mL	2.4 mm	Hard Tissue Grinding Mix	50	19-610					
	2 mL	2.4 mm	Hard Tissue Grinding Mix	50	19-620					
		2.4 mm	Hard Tissue Grinding Mix	50	19-620D					
	7 mL	2.4 mm	Hard Tissue Grinding Mix	50	19-670					
	30 mL	2.4 mm	Hard Tissue Grinding Mix	50	19-6350					
			Hard Tissue Impaction Grinding Mix with 1/4" Ceramic	50	19-6350Z					
Ceramic	0.5 mL	1.4 mm	Small Volume Soft Tissue Homogenizing Mix	50	19-626					
	1.5 mL	1.4 mm	Soft Tissue Homogenizing Mix	50	19-617			5 m/s		
		2.8 mm	Hard Tissue Homogenizing Mix	50	19-618					
	2 mL	1.4 mm	Soft Tissue Homogenizing Mix	50	19-627					
		1.4 mm	Soft Tissue Homogenizing Mix	50	19-627D					
		2.8 mm	Hard Tissue Homogenizing Mix	50	19-628					
		2.8 mm	Hard Tissue Homogenizing Mix	50	19-628D					
	7 mL	1.4 mm	Soft Tissue Homogenizing Mix	50	19-677					
		2.8 mm	Hard Tissue Homogenizing Mix	50	19-678					
	15 mL	2.8 mm	Hard Tissue Homogenizing Mix	50	19-6158					
			Soft Tissue Homogenizing Mix	50	19-6350					
		1.4 mm	Soft Tissue Impaction Homogenizing Mix with 1/4" Ceramic	50	19-6357Z					
			Hard Tissue Homogenizing Mix	50	19-6358					
		2.8 mm	Hard Tissue Impaction Homogenizing Mix with 1/4" Ceramic	50	19-6358Z					
			Hard Tissue Homogenizing Mix	50	19-6508					
	50 mL	2.8 mm	Hard Tissue Homogenizing Mix	50	19-6508					



## Bulk Kits Kits containing bulk tubes and bulk beads (tubes are not pre-filled with beads)

Bead Media	Tube Size	Bead Size	Bead Quantity	Description	Quantity	Order #
Glass	7 mL	0.1 mm	400 g	Micro-Organism Lysing Mix	50	19-654
		0.5 mm	400 g	Tough Micro-Organism Lysing Mix	50	19-656
Metal	7 mL	2.4 mm	500 g	Hard Tissue Grinding Mix	50	19-655
	30 mL	2.4 mm	500 g	Hard Tissue Grinding Mix	50	19-6350K
Ceramic	7 mL	1.4 mm	325 g	Soft Tissue Homogenizing Mix	50	19-652
		2.8 mm	325 g	Hard Tissue Homogenizing Mix	50	19-653
	30 mL	1.4 mm	325 g	Soft Tissue Homogenizing Mix	50	19-6357K
		2.8 mm	325 g	Hard Tissue Homogenizing Mix	50	19-6358K



# Bulk Bead Mill Tubes

## BEAD MILL HOMOGENIZER SUPPLIES

### Tube Selection Guide

Tube Size	VOLUME RANGE					
	20 µL	100 µL	1 mL	5 mL	15 mL	30 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



Omni Bead Ruptor	Tube Size	Description	Quantity	DNase/RNase Free	Order #
<b>Bead Ruptor 4</b> (25-010)	0.5 mL	Non-reinforced Tubes with caps	500		19-650
	1.5 mL	Polypropylene microtube, RNase, DNase free	500		19-661
			1,000		19-661-1000
<b>Bead Ruptor 12</b> (19-050)	2 mL	Non-reinforced Tubes with caps	500		19-647
		Reinforced Tubes with caps	500		19-648
			1,000		19-649
<b>Bead Ruptor 24</b> (19-040)	7 mL	Empty Tubes with caps	500		19-651-500
			1,000		19-651
<b>Bead Ruptor 24</b> (19-040)	1.2 mL	Rack of 96 Strip Well Tubes	10 racks		19-696
	15 mL	Empty Tubes with caps	100		19-6615
			500		19-6615-500
	30 mL	Empty Tubes with caps	100		19-6635
			500		19-6635-500
	50 mL	Empty Tubes with caps	100		19-6650

# Bulk Beads

For Omni Bead Mill Homogenizers, Certified RNase/DNase free

Bead Media	Bead Size	Bead Quantity	Description	Order #
<b>Glass</b>	0.1 mm	400 g	Fills 500 x 2 mL tubes	19-641
	0.5 mm	400 g	Fills 500 x 2 mL tubes	19-642
<b>Garnet</b>	0.15 mm	500 g	Fills 500 x 2 mL tubes	19-643
	0.7 mm	500 g	Fills 500 x 2 mL tubes	19-644
<b>Ceramic</b>	1.4 mm	325 g	Fills 500 x 2 mL tubes	19-645
	2.8 mm	325 g	Fills 500 x 2 mL tubes	19-646
<b>Metal</b>	2.4 mm	500 g	Fills 500 x 2 mL tubes	19-640

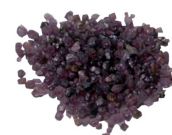


# Bead Mill Tubes

## BEAD MILL HOMOGENIZER SUPPLIES

### Bead Selection Guide

SAMPLE TYPE	BEAD MEDIA						
	Glass		Garnet		Ceramic		Metal
	0.1 mm	0.5 mm	0.15 mm	0.7 mm	1.4 mm	2.8 mm	2.4 mm
Bacteria/ Cultured Cells							
Spores							
Yeast/Fungi							
Algae/Plankton							
Soft Soil/Sediment/ Waste Water							
Clay/Faeces/ Sludge							
Soft Tissues Brain, Liver, Kidney							
Hard Tissues Heart, Muscle, Skin							
Plant Material							
Dry Grinding							
Dense Biological Material Hair, Bone, Seeds							



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