

# 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.

## Features

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

*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.*



Metal



Ceramic



Garnet

# 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	50	19-621	■	■	■	■		
		0.5 mm	Tough Micro-Organism Lysing	50	19-622	■	■	■	■		
		0.5 mm	Tough Micro-Organism Lysing	50	19-622D	■	■	■	■	■	
Garnet	0.5 mL	0.15 mm	Small Volume Micro-Organism Lysing	50	19-623	■	■	■	■		
	2 mL	0.7 mm	Hard & Fibrous Tissue Homogenizing	50	19-624	■	■	■	■		
Carbide	0.5 mL	0.25 mm	RNA Extractions, Micro-Organism & Soil Homogenizing	50	19-625	■	■	■	■		
Metal	1.5 mL	2.4 mm	Hard Tissue Grinding	50	19-610	■			■		
	2 mL	2.4 mm	Hard Tissue Grinding	50	19-620	■	■	■	■		
		2.4 mm	Hard Tissue Grinding	50	19-620D	■	■	■	■	■	
	7 mL	2.4 mm	Hard Tissue Grinding	50	19-670	■	■	■			
	30 mL	2.4 mm	Hard Tissue Grinding	50	19-6350			5 m/s			
			Hard Tissue Impaction Grinding with 1/4" Ceramic	50	19-6350Z			5 m/s			
Ceramic	0.5 mL	1.4 mm	Small Volume Soft Tissue	50	19-626	■	■	■	■		
	1.5 mL	1.4 mm	Soft Tissue Homogenizing	50	19-617	■		5 m/s	■		
		2.8 mm	Hard Tissue Homogenizing	50	19-618	■			■		
	2 mL	1.4 mm	Soft Tissue Homogenizing	50	19-627	■	■	■	■		
		1.4 mm	Soft Tissue Homogenizing	50	19-627D	■	■	■	■	■	
		2.8 mm	Hard Tissue Homogenizing	50	19-628	■	■	■	■		
		2.8 mm	Hard Tissue Homogenizing	50	19-628D	■	■	■	■	■	
		2.8 mm	Hard Tissue Homogenizing	50	19-628D	■	■	■	■	■	
	7 mL	1.4 mm	Soft Tissue Homogenizing	50	19-677	■	■	■			
		2.8 mm	Hard Tissue Homogenizing	50	19-678	■	■	■			
	15 mL	2.8 mm	Hard Tissue Homogenizing	50	19-6158			5 m/s			
			Soft Tissue Homogenizing	50	19-6357			5 m/s			
		30 mL	1.4 mm	Soft Tissue Impaction Homogenizing with 1/4" Ceramic	50	19-6357Z			5 m/s		
			2.8 mm	Hard Tissue Homogenizing	50	19-6358			5 m/s		
				Hard Tissue Impaction Homogenizing with 1/4" Ceramic	50	19-6358Z			5 m/s		
50 mL			2.8 mm	Hard Tissue Homogenizing	50	19-6508			5 m/s		

# 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	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			



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 1,000		19-661 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 1,000		19-648 19-649
<b>Bead Ruptor 24 ELITE</b> (19-040E)	7 mL	Empty Tubes with caps	500 1,000		19-651-500 19-651
	1.2 mL	Rack of 96 Strip Well Tubes	10 racks		19-696
<b>Bead Ruptor 24 ELITE</b> (19-040E)	15 mL	Empty Tubes with caps	100 500		19-6615 19-6615-500
	30 mL	Empty Tubes with caps	100 500		19-6635 19-6635-500
	50 mL	Empty Tubes with caps	100		19-6650



Bead Ruptor 4



Bead Ruptor 12



Bead Ruptor 24 ELITE

# Bulk Beads Certified RNase/DNase free

## BEAD MILL HOMOGENIZER SUPPLIES

### Bead Selection Guide

#### BEAD MEDIA

SAMPLE TYPE	Glass		Garnet		Ceramic			Metal		
	0.1 mm	0.5 mm	0.15 mm	0.7 mm	0.1 mm	0.5 mm	1.4 mm	2.8 mm	6.5 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									█	█

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>	0.1 mm	500 g	Fills 500 x 2 mL tubes	19-683
	0.5 mm	500 g	Fills 500 x 2 mL tubes	19-684
	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
	6.5 mm	325 g	Fills 500 x 2 mL tubes	19-682
<b>Metal</b>	2.4 mm	500 g	Fills 500 x 2 mL tubes	19-640



Ceramic



Garnet



Glass



Metal



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