

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. OMNI Bead tubes should be used exclusively with OMNI Bead Ruptor™ Homogenizers.

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, minimizing risk of cross-contamination. Our homogenizers and bead beating tubes are very beneficial to various laboratories that process a wide range of sample volumes.



Metal



Ceramic



Garnet



Glass



OMNI
International

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 Elite			
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						
		1.4 mm	Small Volume Soft Tissue	50	19-626D						
	1.5 mL	1.4 mm	Soft Tissue Homogenizing	50	19-617			5 m/s			
		1.4 mm	Soft Tissue Homogenizing	50	19-617D			5 m/s			
		2.8 mm	Hard Tissue Homogenizing	50	19-618						
		2.8 mm	Hard Tissue Homogenizing	50	19-618D						
	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						
	7 mL	1.4 mm	Soft Tissue Homogenizing	50	19-677						
		2.8 mm	Hard Tissue Homogenizing	50	19-678						
		2.8 mm	Hard Tissue Homogenizing	50	19-678D						
		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			
			Hard Tissue Homogenizing	50	19-6358			5 m/s			
			Hard Tissue Homogenizing	50	19-6358D			5 m/s			
		2.8 mm	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		
Mixed Fill Ceramic	2 mL	1.4 and 2.8 mm	Ceramic Mix	50	19-629						
		0.1 and 2.8 mm	Microbiome Homogenizing Mix	50	19-636D						

Bulk Bead Mill Tubes

BEAD MILL HOMOGENIZER SUPPLIES

Tube Selection Guide

Tube Size	VOLUME RANGE						
	20 μ L	100 μ L	1 mL	5 mL	15 mL	30 mL	50 mL
0.5 mL	20 μ L - 300 μ L						
1.2 mL stripwell	20 μ L - 800 μ L						
1.5 mL		200 μ L - 1 mL					
2 mL		100 μ L - 1.8 mL					
7 mL			1 mL - 5 mL				
15 mL				5 mL - 15 mL			
30 mL					2 mL - 20 mL		
50 mL					2 mL - 35 mL		



Omni Bead Ruptor	Tube Size	Description	Quantity	DNase/RNase Free	Order #
Bead Ruptor 4 (25-010)	0.5 mL	Non-reinforced Tubes with caps	500	<input checked="" type="checkbox"/>	19-650
	1.5 mL	Polypropylene microtube, RNase, DNase free	500 1,000	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	19-661 19-661-1000
Bead Ruptor 12 (19-050)	2 mL	Non-reinforced Tubes with caps	500	<input checked="" type="checkbox"/>	19-647
		Reinforced Tubes with caps	500 1,000	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	19-648 19-649
Bead Ruptor ELITE (19-042E)	7 mL	Empty Tubes with caps	500 1,000	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	19-651-500 19-651
		1.2 mL	Rack of 96 Strip Well Tubes	10 racks	<input checked="" type="checkbox"/>
Bead Ruptor ELITE (19-042E)	15 mL	Empty Tubes with caps	100 500		19-6615 19-6615-500
	30 mL	Empty Tubes with caps	100	<input checked="" type="checkbox"/>	19-6635
			500	<input checked="" type="checkbox"/>	19-6635-500
	50 mL	Empty Tubes with caps	100		19-6650



Bead Ruptor™ 4



Bead Ruptor™ 12



Bead Ruptor™ 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/Yeast	Yes	Yes			Yes	Yes				
Spores	Yes				Yes					
Algae/Plankton		Yes				Yes				
Soft Soil/Sediment/ Waste Water			Yes			Yes				
Clay/Faeces/ Sludge				Yes		Yes				
Soft Tissues, Brain, Liver, Kidney, Cultured Mammalian Cells							Yes	Yes		
Hard Tissues Heart, Muscle, Skin								Yes		Yes
Plant Material								Yes		
Dry Grinding									Yes	Yes
Dense Biological Material Hair, Bone, Seeds								Yes	Yes	Yes

Bead Media	Bead Size	Bead Quantity	Description	Order #
Glass	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
Garnet	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
Ceramic	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
Metal	2.4 mm	500 g	Fills 500 x 2 mL tubes	19-640



Ceramic



Garnet



Glass



Metal



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