



## Prefilled Tubes and Bulk Beads: The Right Bead for Every Sample

- + **Wide range of kits available**  
*Variety of bead sizes and types to meet your sample needs*
- + **TriplePure™ Quality**  
*Nuclease, Protease and Nucleic Acid free*
- + **Prefilled 2.0ml tubes or bulk beads**  
*Convenience of prefilled tubes  
Bulk beads for filling your own*
- + **Microplates and 4ml vials available**

Benchmark Scientific's homogenizer bead kits come in a variety of materials and sizes for processing a wide range of samples. Prefilled for convenience, the unskirted 2.0ml tube kits will fit in all popular bead homogenizers including Benchmark Scientific's BeadBug™ and BeadBlaster™ 24. Tested to ensure they are RNase, DNase, protease, and nucleic acid free, the TriplePure Zirconium Bead Kits are supplied in five bead sizes to homogenize everything from bacteria to large tissues. Acid washed silica and alcohol washed stainless steel bead kits as well as specialty bead mixes, bulk beads and prefilled microplates are also available.

<u>Bead material</u>	<u>Bead Diameter</u>	<u>Prefilled 2.0ml tubes, pk/50</u>	<u>Bulk cat. no./bottle</u>
TriplePure Zirconium	0.1mm	D1032-01	D1132-01TP/250g
TriplePure Zirconium	0.5mm	D1032-05	D1132-05TP/250g
TriplePure Zirconium	1.0mm	D1032-10	D1132-10TP/250g
TriplePure Zirconium	1.5mm	D1032-15	D1132-15TP/250g
TriplePure Zirconium	3.0mm	D1032-30	D1132-30TP/300g
TriplePure Zirconium	0.1, 0.5, 1.0, 1.5, 3.0mm	D1032-SK*	NA
Silica	0.1mm	D1031-01	D1131-01/200g
Silica	0.5mm	D1031-05	D1131-05/200g
Silica	1.0mm	D1031-10	D1131-10/200g
Stainless Steel	2.8mm	D1033-28	D1133-28/1,000 ea
Stainless Steel	4mm	IPD1196-40/10x96 well plates	IPD9600-4M/5,000 ea
Stainless Steel	5mm	NA	D1134-50/1,000 ea
Garnet, Zirconium	Garnet shards/6mm zirconium satellite	D1033-30G	NA
Silica, Zirconium	Mixed size	D1034-MX	NA
Ceramic Homogenizer Bar	3/8"x5/8", 45° angled ends	NA	IPD9600-3858-1/pk 100
Ceramic Homogenizer Bar	3/8"x7/8", 45° angled ends	NA	IPD9600-3878-1/pk 100
Empty tubes, with screw cap and sealing ring, nonskirted, pack of 50			D1031-T21
Empty tubes, with screw cap and sealing ring, nonskirted, pack of 1,000			D1031-T20
BeadBug Bead Homogenizer, three tube capacity			D1030
BeadBug Homogenizer, 6 tube capacity			D1036
BeadBlaster 24 Bead Homogenizer 24 tube capacity			D2400
BeadBlaster 24R Refrigerated Bead Homogenizer, 24 tube capacity			D2400-R
BeadBlaster 96 Ball Mill Homogenizer for tubes, plates and jars			IPD9600

\*Starter kit - contains 10 of each size.

	Bead material	Silica			Zirconium					Steel	Garnet with Zr Satellite	Silica and Zirconium
	Bead diameter	0.1mm	0.5mm	1.0mm	0.1mm	0.5mm	1.0mm	1.5mm	3.0mm	2.8mm	0.5/6mm	Mixed
Animal	Adipose							X				
	Artery							X	X			
	Bone									X		
	Brain							X	X			
	Insect - fly								X	X		
	Insect - Tick								X	X		
	Insect - Mosquito						X	X	X			
	Gonad							X	X			
	Hair								X	X	X	
	Heart							X	X			
	Kidney							X				
	Liver							X	X			
	Lung							X	X			
	Muscle								X	X		
	Pancreas							X	X			
	Skin								X		X	
Spleen							X	X				
Teeth								X	X			
Microbial	Algae		X			X						
	Bacteria	X	X		X	X						
	Fungi		X	X		X	X					
	Mold		X			X						
	Spores		X	X		X	X					
	Yeast		X	X		X	X					
Plant and Soil	Leaves								X	X		
	Nuts									X		
	Plant, soft tissue								X	X		
	Plant, tough tissue								X	X	X	
	Seeds								X	X		
	Stems								X	X		
	Soil							X				X
	Coral									X		
Fecal	Stool							X				X
	Scat								X	X		X

Above is a partial list of sample types and suggested beads. 4mm and 5mm steel beads are for use in 96 well plates and 4ml vials for larger and harder samples. Ceramic homogenizers are used in 50ml tubes for cannabis applications and QuEChERS. For additional information and technical support, contact Benchmark Scientific.