

# Find the Right Beads for Every Sample!



- ◆ **WIDE RANGE OF KITS AVAILABLE**  
Variety of bead sizes and materials to meet your sample needs
- ◆ **TRIPLEPURE™ QUALITY**  
Nuclease, Protease and Nucleic Acid free
- ◆ **PREFILLED 2.0 ML TUBES OR BULK BEADS**  
Convenience of prefilled tubes Bulk beads for filling your own
- ◆ **MICROPLATES AND 4 ML 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 2.0 mL 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.

BEAD MATERIAL	BEAD DIAMETER	PREFILLED 2.0 ML TUBES, PK/50	BULK CAT. NO./BOTTLE
TriplePure Zirconium	0.1 mm	D1032-01	D1132-01TP / 250 g
TriplePure Zirconium	0.5 mm	D1032-05	D1132-05TP / 250 g
TriplePure Zirconium	1.0 mm	D1032-10	D1132-10TP / 250 g
TriplePure Zirconium	1.5 mm	D1032-15	D1132-15TP / 250 g
TriplePure Zirconium	3.0 mm	D1032-30	D1132-30TP / 300 g
TriplePure Zirconium	0.1, 0.5, 1.0, 1.5, 3.0 mm	D1032-SK*	NA
Silica	0.1 mm	D1031-01	D1131-01 / 200 g
Silica	0.5 mm	D1031-05	D1131-05 / 200 g
Silica	1.0 mm	D1031-10	D1131-10 / 200 g
Stainless Steel	2.8 mm	D1033-28	D1133-28 / 1,000 ea
Stainless Steel	4 mm	IPD1196-40/10x96 well plates	IPD9600-4M / 5,000 ea
Stainless Steel	5 mm	NA	D1034-50 / 1,000 ea
Garnet, Zirconium	Garnet Shards/6 mm Zirconium Satellite	D1033-30G	NA
Silica, Zirconium	Mixed Size	D1034-MX	NA
Ceramic Homogenizer Bar	3/8" x 5/8", 45° Angled Ends	NA	IPD9600-3858-1/pk 100
Ceramic Homogenizer Bar	3/8" x 7/8", 45° Angled Ends	NA	IPD9600-3878-1/pk 100

ITEM #	DESCRIPTION
D1031-T21	Empty Tubes, With Screw Cap and Sealing Ring, Non-Skirted, Pack of 50
D1031-T20	Empty Tubes, With Screw Cap and Sealing Ring, Non-Skirted, Pack of 1,000
D1030	BeadBug™ Bead Homogenizer, 3 Tube Capacity
D1036	BeadBug™ Homogenizer, 6 Tube Capacity
D2400	BeadBlaster™ 24 Bead Homogenizer, 24 Tube Capacity
D2400-R	BeadBlaster™ 24R Refrigerated Bead Homogenizer, 24 Tube Capacity
IPD9600	BeadBlaster™ 96 Ball Mill Homogenizer for Tubes, Plates and Jars

\*Starter kit - contains 10 of each size.



## PARTIAL LIST: SAMPLE TYPES AND SUGGESTED BEADS

	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
<b>ANIMAL</b>	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			
<b>MICROBIAL</b>	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					
<b>PLANT AND SOIL</b>	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		
<b>FECAL</b>	Stool							X				X
	Scat								X	X		X

Above is a partial list of sample types and suggested beads. 4 mm and 5 mm steel beads are for use in 96 well plates and 4 mL vials for larger and harder samples. Ceramic homogenizers are used in 50 mL tubes for cannabis applications and QuEChERS. For additional information and technical support, contact us at [tech@midsci.com](mailto:tech@midsci.com)

**MP Bio FastPrep**

**Qiagen TissueLyser II**

**Bertin Precellys**

**Spex GenoGrinder**

**Omni BeadRuptor**



In addition to the Benchmark Homogenizers, our consumables can be used with all other popular homogenizer brands including MP, QIAGEN, Bertin, SPEX and Omni.

*FastPrep is a registered trademark of MP Biomedical, Inc, TissueLyser II is a registered trademark of QIAGEN, Precellys is a registered trademark of Bertin Instruments, GenoGrinder is a registered trademark of SPEX SamplePrep, Bead Ruptor is a registered trademark of Omni International*