

# Biotage® Lysera Bead/Tube Kits

The Biotage Bead Kits consist of durable tubes and beads, designed to work together to ensure maximum performance and maintain sample integrity.

- » Tubes are fully solvent and buffer compatible
- » Each pack contains 50 tubes pre-filled with bead matrix



## **Ceramic Beads 1.4 mm—Part Number 19-627**

This matrix will provide a quick and reliable homogenization on small and soft animal, plant or human tissues sizes. It is optimal for brain, liver, skin, leaves, gonad etc. For sample volumes under 300 mg and 1 mL.



## **Carbide Beads 0.25 mm—Part Number 19-625**

This matrix will provide a quick and reliable lysis when processing microbial RNA and soil RNA.



## **Ceramic Beads 2.8 mm—Part Number 19-628**

This matrix will provide a quick and reliable homogenization of hard animal, plant or human tissues. It is optimal for skin, muscle, lung, seeds, rice, leaves, wheat etc. Volumes higher than 300 mg and 1 mL.



## **Metal Beads 2.4 mm—Part Number 19-620**

(inoxydable). This matrix will provide a quick and reliable homogenization of any hard and dry tissue type. It is optimal for hair, teeth, bones, seeds, corn, nail etc.



## **Glass Beads 0.5 mm - Part Number 19-622**

Tough microorganisms and gram+ bacteria. It is optimal for spores, yeast, mold, algae, listeria, etc.



## **Garnet Bead 0.15 mm—Part Number 19-623**

Tough microorganisms and gram+ bacteria. It is optimal for spores, yeast, mold, algae, listeria, etc.



## **Glass/Silica Beads 0.1 mm – Part Number 19-621**

Soft microorganisms and gram- bacteria. It is optimal for E-coli, mycobacteria, salmonella, etc.



## **Garnet Beads 0.7 mm—Part Number 19-624**

This matrix mix can be described as the Universal bead mix containing particles with sharp edges. This matrix will provide a quick and reliable homogenization of tough samples (skin, muscle etc.) and soil.

	Lyse/Disrupt		Homogenize				Grind	
Size	0.1 mm Glass	0.5 mm Glass	1.4 mm Ceramic	2.8 mm Ceramic	0.15 mm Garnet	0.7 mm Garnet	2.4 mm Metal	0.25 mm Carbide
Part Number	19-621	19-622	19-627	19-628	19-623	19-624	19-620	19-625
<b>Microbial</b>								
Bacteria	✓	✓			✓			✓
Yeast		✓	✓		✓			✓
Fungi	✓	✓			✓			✓
Spores	✓	✓			✓			✓
<b>Animal</b>								
Skin			✓	✓		✓		
Nerves			✓	✓				
Artery				✓		✓		
Intestine				✓		✓		
Tumors				✓		✓		
Muscle			✓	✓		✓	✓	
Brain			✓	✓		✓		
Liver			✓	✓		✓		
Kidney			✓	✓		✓		
Lung			✓	✓		✓		
Heart			✓	✓			✓	
Bone				✓			✓	
Hair				✓		✓	✓	
Cartilage				✓			✓	
Cornea			✓	✓				
<b>Fish/Insects</b>								
Insects			✓	✓				
Zebrafish		✓	✓			✓		
<b>Plant</b>								
Leaves				✓			✓	
Seeds				✓			✓	
Rice				✓			✓	
Wheat				✓			✓	
Stems				✓			✓	
Roots				✓			✓	
Moss			✓	✓			✓	
<b>Soil</b>								
Soil			✓	✓		✓	✓	✓
Sediment			✓			✓	✓	✓

Ordering Information

Part Number	Description	Qty	Part Number	Description	Qty
19-620	Hard Tissue Grinding Mix (2 mL Reinforced Tubes) Nuclease Free	50	19-624	Hard & Fibrous Tissue Mix (2 mL Tubes)	50
19-621	Micro-Organism Lysing Mix (2 mL Tubes)	50	19-625	Small Volume Soil Homogenizing Mix (2 mL Tubes with 0.5 mL insert)	50
19-622	Tough Micro-Organism Lysing Mix (2 mL Tubes) Nuclease Free	50	19-627	Soft Tissue Homogenizing Mix (2 mL Tubes) Nuclease Free	50
19-623	Small Volume Micro-Organism Lysing Mix (2 mL Tubes with 0.5 mL insert)	50	19-628	Hard Tissue Homogenizing Mix (2 mL Reinforced Tubes) Nuclease Free	50

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