

Bead Application Chart

Sample Type		Garnet 0.70 mm*	Garnet 0.15mm*	Carbide 0.25 mm*	Ceramic 2.8 mm	Ceramic 1.4 mm	Metal 2.38 mm	Glass 0.5 mm	Glass 0.1 mm
Tissue	Tissue	V			V, B		V, B		
	Skin	V			V, B		V, B		
	Hair	V					V, B		
	Nail	V					V, B		
	Bone				V, B		V, B		
	Lung	V			V, B				
	Muscle				V, B		V, B		
	Liver	V			V, B				
	Brain	V				V, B			
	Heart				V, B		V, B		
	Kidney	V				V, B			
	Gonad	V				V, B			
	Insect/ Fly				V, B		V, B		
	Insect/ Tick				V, B		V, B		
Microbial	Bacteria		V, B					V, B	V, B
	Yeast		V, B			V, B		V, B	V, B
	Gram +		V, B					V, B	V, B
	Gram -		V, B					V, B	V, B
	Fungi / Mold		V, B					V, B	V, B
	Spores		V, B					V, B	V, B
Plant	Soft Plant Tissue	V					V, B		
	Tough Plant Tissue				B		V, B		
	Seeds				B		V, B		
	Stems				B		V, B		
	Corn						V, B		
	Nuts						V, B		
	Rice						V, B		
	Wheat	V					V, B		
	Leaves	V			B		V, B		
	Arabidopsis	V			B		V, B		
Soil	Soil	V				V, B			V, B
	Coral	V					V, B		V, B
	Marine Sediments	V							V, B
	Sludge	V							V, B
Fecal	Fecal/Stool	V				V, B			
	Scat	V				V, B	V, B		
RNA	Tissue RNA				B		B		
	Microbial RNA			V					
	Plant RNA				B		B		
	Soil RNA			V					

Recommended Methods: (V) Vortex and vortex adapter; (B) Bead beating instrument; V, B = Either method