

Omni Bead Ruptor Lysing Kits

Omni's Bead Ruptor Lysing Kits are the strongest and most versatile available.

Available in 0.5mL, 2mL, and 5mL sizes.

Can be used with any type of solvent or buffer.

Each pack contains 50 lysing tubes pre-filled with bead matrix.

Visit our [Application Database](http://www.omni-inc.com/apps) to find the right process for your specific sample types!

www.omni-inc.com/apps

		BEAD MATRIX	SETTING	APPLICATION
Sample Name and Type		Lysing matrix	Speed – number of cycle x time - pause	Note
MICROBIAL	Bacteria	Garnet 0.15mm	3.25m/s – 1 x 5 min – 0s	DNA isolation
ANIMAL	Muscle	Ceramic 2.8mm	5.65m/s – 2 x 45 sec. – 30 sec.	RNA isolation
	Brain	Ceramic 2.8mm	5.65m/s – 2 x 45 sec. – 30 sec.	RNA isolation
	Liver	Ceramic 2.8mm	5.65m/s – 2 x 45 sec. – 30 sec.	RNA isolation
	Kidney	Ceramic 2.8mm	5.65m/s – 2 x 45 sec. – 30 sec.	RNA isolation
	Lung	Ceramic 2.8mm	5.65m/s – 2 x 45 sec. – 30 sec.	RNA isolation
	Heart	Ceramic 2.8mm	5.65m/s – 2 x 45 sec. – 30 sec.	RNA isolation
	Spleen	Ceramic 2.8mm	5.65m/s – 2 x 45 sec. – 30 sec.	RNA isolation
PLANT	Leaves	Ceramic 2.8mm	6.95m/s – 2 x 45 sec. – 30 sec.	RNA isolation
	Leaves	Metal 2.38mm	3.25m/s – 1 x 3 min	DNA isolation
	Seeds	Metal 2.38mm	4.7m/s – 1 x 3 min	DNA isolation
	Stems	Ceramic 2.8mm	6.95m/s – 2 x 45 sec. – 30 sec.	RNA isolation
	Stems	Metal 2.38mm	3.55m/s – 1 x 3 min.	DNA Isolation
	Roots	Ceramic 2.8mm	6.95m/s – 2 x 45 sec. – 30 sec.	RNA isolation
	Root	Metal 2.38mm	4m/s – 1 x 3 min	DNA isolation
	Flowers	Ceramic 2.8mm	6.95m/s – 2 x 45 sec. – 30 sec.	RNA isolation
SOIL	Soil	Garnet 0.7mm	3.25m/s – 1 x 5 min	DNA isolation



		LYSE / DISRUPT		HOMOGENIZE				GRIND	
		Glass beads of 0.1mm	Glass beads of 0.5mm	Ceramic beads of 1.4mm	Ceramic beads of 2.8mm	Garnet beads of 0.7mm	Garnet beads of 0.15 mm	Metal beads of 2.8mm	Carbide 0.25mm
MICROBIAL	Bacteria	✓	✓				✓		✓
	Yeast		✓	✓			✓		✓
	Fungi	✓	✓				✓		✓
	Spores	✓	✓				✓		✓
ANIMAL	Skin			✓	✓	✓		✓	
	Nerves			✓	✓				
	Artery				✓	✓			
	Intestine				✓	✓			
	Tumors				✓	✓			
	Muscle			✓	✓	✓		✓	
	Brain			✓	✓	✓			
	Liver			✓	✓	✓			
	Kidney			✓	✓	✓			
	Lung			✓	✓	✓			
	Heart			✓	✓			✓	
	Bone				✓			✓	
	Hair				✓	✓		✓	
	Cartilage				✓			✓	
Cornea			✓	✓					
FISH INSECTS	Insects			✓	✓				
	Zebrafish		✓	✓		✓			
PLANT	Leaves				✓			✓	
	Seeds				✓			✓	
	Rice				✓			✓	
	Wheat				✓			✓	
	Stems				✓			✓	
	Roots				✓			✓	
	Moss			✓	✓			✓	
SOIL	Soil			✓	✓	✓		✓	✓
	Sediment			✓		✓		✓	✓



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