

# Omni Bead Ruptor Lysing Kits

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

Our Lysing Tubes are available in 0.5mL, 2mL, and 5mL sizes and can be used with any type of solvent or buffer.

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

## SOFT SAMPLES



### Ceramic beads 1.4mm

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 300mg and 1mL.

## MICROORGANISMS



### Glass beads 0.5mm

Tough microorganisms and gram+ bacteria. It is optimal for spores, fungi, yeast, aspergillus etc.

### Glass/Silica beads 0.1mm

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

## HARD SAMPLES



### Metal beads 2.38mm

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



### Ceramic beads 2.8mm

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



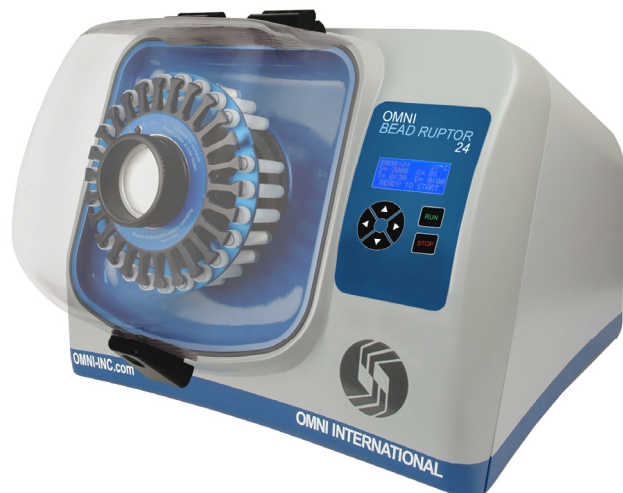
### Carbide beads of 0.25mm

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



### Garnet beads 0.70mm

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



Visit our Application Database to find the right process for your specific sample types!

[www.omni-inc.com/apps](http://www.omni-inc.com/apps)



**OMNI**  
International

[TheHomogenizerCompany.com](http://TheHomogenizerCompany.com)

		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
<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				✓			✓	
	Mousses			✓	✓			✓	
<b>SOIL</b>	Soil			✓	✓	✓		✓	✓
	Sediment			✓		✓		✓	✓



935-C Cobb Place Blvd.  
 Kennesaw, GA 30144  
 omni@omni-inc.com

800-776-4431  
 770-421-0058  
 770-421-0206 Fax

[www.omni-inc.com](http://www.omni-inc.com)