

WISBiomed offers pre-filled beads and bulk beads for different homogenizers. The selection of grinding media, high density beads, depends upon the tissue type, homogenizer. The following chart is a general reference. You should optimize the beads and homogenization conditions for the best performance.

	Glass			Zirconium Silicate (ZrSiO)			Zirconium Oxide (ZrO)			Stainless Steel					
Density (g/cc)	2.5			3.8			5.5			7.9					
Bead Diameter (mm)	0.1	0.5	1.0	0.5	1.0	2.0	0.15	0.5	1.0	2.0	0.2	0.5	0.9 to 2.0 Blend	3.2	4.8
<i>S. cerevisiae</i> / fungi	✓						✓				✓			*	*
<i>E. coli</i> / bacteria	✓						✓				✓			*	*
<i>C. elegans</i> / <i>briggsae</i>			✓		✓	✓			✓	✓			✓		
mammalian cell culture	✓	✓	✓	✓			✓	✓	✓						
<i>Drosophila</i> / insects	✓	✓			✓	✓		✓	✓	✓					
plant tissue					✓	✓		✓	✓	✓		✓	✓	*	*
tail snip					✓	✓		✓	✓	✓		✓	✓		
eye	✓	✓	✓	✓			✓	✓							
brain	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓		*	*
liver	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓		*	*
lung										✓		✓	✓	*	*
gastrointestinal tissue				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
skeletal muscle				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
heart									✓	✓		✓	✓		
kidney									✓	✓		✓	✓	*	*
hair	✓	✓		✓			✓	✓			✓	✓			
skin						✓				✓			✓		
cartilage													✓		
bone													✓		

✓ For use in microtubes and 50 mL tubes

* For use only in 50 mL tubes

More technical information may be downloaded from <http://crm.wisbiomed.com>

Product specifications and compatible tissue homogenizers are listed at www.wisbiomed.com
Call 1-866-692-1249 for a free on site demo

WISBiomed distributes the following tissue homogenizers:

NA-01: 24 sample tissue homogenizer OP-TH01 High throughput Put Homogenizer
MP-FP10 FastPrep 24 MM-400 system: Process 2 deepwell plates