

# BEADS FOR THE BULLET BLENDER™

## Homogenize Your Sample

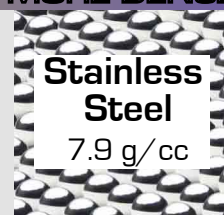
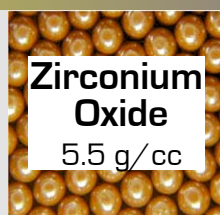
Grinding beads are an essential component in the Bullet Blender™ for the homogenization of tissue and cell culture. Each type of bead has its own specific properties and advantages in conjunction with the sample that is being processed.

Soft tissue  
and cell culture

Tough tissue  
and cell culture

**LESS DENSE**

**MORE DENSE**



Up to 4000 samples homogenized per pound!

Beads can be washed, sterilized and reused (but are inexpensive enough to throw away!)

Size your beads according to your sample - small samples  
(cells and small particles) require smaller beads

Beads are easily dispensed using a sterile spatula included with Bullet Blender™

We also carry **RNase Free** beads

**Bead Sample Packs are Available for Homogenizing a Variety of:**

- Cell Cultures
- Tough Organ Tissues
- Soft Organ Tissues

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# BEADS FOR THE BULLET BLENDER™

## BULLET BLENDER™ BEAD SELECTION GUIDE

We have a large selection of beads available in order to provide you with choices in your protocols and applications. Remember these are recommendations - choose what works for you!

SAMPLE TYPE	Glass			Zirconium Silicate Zr(SiO <sub>4</sub> )			Zirconium Oxide ZrO <sub>2</sub>				Stainless Steel					
	diameter (mm)			diameter (mm)			diameter (mm)				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	0.9-2.0 blend	1.6	3.2	4.8
<b>Small Organisms</b>																
<i>C. elegans / briggsae</i>				○	○	◇		●	○	◇		○	○			
<i>Drosophila / insects</i>	○			●	○			●	●	◇		○	○	○		
zebrafish (larva)					○	◇		●	○	◇		○	○	○		
<b>Cell Culture</b>																
<i>E. coli / bacteria</i>	●			○				●								
mammalian cell culture	●	○	○	○	○			●	○	○		○	○			
yeast / fungi	○	○		○				○	●			○				
<b>Animal Tissue</b>																
adipose / fat								●	●			○			◇	◇
brain	●	○		○	○	◇		●	○	◇		○	○		◇	◇
carcinoma												□	■			
cartilage													■	□		
epithelium				□				■				□				
eye								○	○	○	◇	○	●	●		
gastrointestinal tissue				●	○			○	○	◇		○	○			
hair	●			○	○	◇		○	○	◇		○	○		◇	◇
heart								□	□				■	■		
kidney								●	○			○	○		◇	◇
liver				●	●	◇		●	●	◇		○	○		◇	◇
lung												○	●	○	◇	◇
lymph node								■				□	□			
skeletal muscle								■	○			□	○		◇	◇
skin												□	□	□		
spleen								●	○			○			◇	◇
tail snip								■	□			■	□			
<b>Plant Tissue</b>																
leaves								●	○	◇		○	○	○	◇	◇
berries (and seeds)												■	□			
soft stems								●	○	◇		○	○	○	◇	◇
nuts								■	■			□	□			
beans								●	○			○	●	○	◇	◇

- /◇/■ Recommended for sample
- /● For use in any sized tube
- /■ For use in microcentrifuge tube **only**
- ◇/◆ For use in 50 ml tube **only**

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