

## Prefilled Tubes and Bulk Beads: The Right Bead for Every Sample



- + **Wide range of kits available**  
*Variety of bead sizes and types to meet your sample needs*
- + **TriplePure™ Quality**  
*Nuclease, Protease and Nucleic Acid free*
- + **Prefilled 2.0ml tubes or bulk beads**  
*Convenience of prefilled tubes  
Bulk beads for filling your own*

Benchmark Scientific's homogenizer bead kits come in a variety of materials and sizes for processing a wide range of samples. Prefilled for convenience, the unskirted 2.0ml tube kits will fit in all popular bead homogenizers including Benchmark Scientific's BeadBug™ and BeadBlaster™ 24. Tested to ensure they are RNase, DNase, protease, and nucleic acid free, the TriplePure Zirconium Bead Kits are supplied in five bead sizes to homogenize everything from bacteria to large tissues. Acid washed silica and stainless steel bead kits as well as specialty bead mixes and bulk beads are also available.

| <b>Bead material</b>                                                    | <b>Bead Diameter</b>                  | <b>Prefilled 2.0ml tubes, pk/50</b> | <b>Bulk cat. no./bottle</b> |
|-------------------------------------------------------------------------|---------------------------------------|-------------------------------------|-----------------------------|
| TriplePure Zirconium                                                    | 0.1mm                                 | D1032-01                            | D1132-01TP/250g             |
| TriplePure Zirconium                                                    | 0.5mm                                 | D1032-05                            | D1132-05TP/250g             |
| TriplePure Zirconium                                                    | 1.0mm                                 | D1032-10                            | D1132-10TP/250g             |
| TriplePure Zirconium                                                    | 1.5mm                                 | D1032-15                            | D1132-15TP/250g             |
| TriplePure Zirconium                                                    | 3.0mm                                 | D1032-30                            | D1132-30TP/250g             |
| TriplePure Zirconium                                                    | 0.1, 0.5, 1.0, 1.5, 3.0mm             | D1032-SK*                           | NA                          |
| Silica                                                                  | 0.1mm                                 | D1031-01                            | D1131-01/200g               |
| Silica                                                                  | 0.5mm                                 | D1031-05                            | D1131-05/200g               |
| Silica                                                                  | 1.0mm                                 | D1031-10                            | D1131-10/200g               |
| Stainless Steel                                                         | 2.8mm                                 | D1033-28                            | D1133-28/1,000 balls        |
| Garnet, Zirconium                                                       | Garnet shards/6mm zirconium satellite | D1033-30G                           | NA                          |
| Silica, Zirconium                                                       | Mixed size                            | D1034-MX                            | NA                          |
| Empty tubes, with screw cap and sealing ring, nonskirted, pack of 50    |                                       |                                     | D1031-T20                   |
| Empty tubes, with screw cap and sealing ring, nonskirted, pack of 1,000 |                                       |                                     | D1031-T21                   |
| BeadBug Bead Homogenizer, three tube capacity                           |                                       |                                     | D1030                       |
| BeadBlaster 24 Bead Homogenizer 24 tube capacity                        |                                       |                                     | D2400                       |

\*Starter kit - contains 10 of each size.

|                | Bead material       | Silica |       |       | Zirconium |       |       |       |       | Steel | Garnet with Zr Satellite | Silica and Zirconium |
|----------------|---------------------|--------|-------|-------|-----------|-------|-------|-------|-------|-------|--------------------------|----------------------|
|                | Bead diameter       | 0.1mm  | 0.5mm | 1.0mm | 0.1mm     | 0.5mm | 1.0mm | 1.5mm | 3.0mm | 2.8mm | 0.5/6mm                  | Mixed                |
| Animal         | Adipose             |        |       |       |           |       |       | X     |       |       |                          |                      |
|                | Artery              |        |       |       |           |       |       | X     | X     |       |                          |                      |
|                | Bone                |        |       |       |           |       |       |       |       | X     |                          |                      |
|                | Brain               |        |       |       |           |       |       | X     | X     |       |                          |                      |
|                | Insect - fly        |        |       |       |           |       |       |       | X     | X     |                          |                      |
|                | Insect - Tick       |        |       |       |           |       |       |       | X     | X     |                          |                      |
|                | Insect - Mosquito   |        |       |       |           |       | X     | X     | X     |       |                          |                      |
|                | Gonad               |        |       |       |           |       |       | X     | X     |       |                          |                      |
|                | Hair                |        |       |       |           |       |       |       | X     | X     | X                        |                      |
|                | Heart               |        |       |       |           |       |       | X     | X     |       |                          |                      |
|                | Kidney              |        |       |       |           |       |       | X     |       |       |                          |                      |
|                | Liver               |        |       |       |           |       |       |       |       |       |                          |                      |
|                | Lung                |        |       |       |           |       |       | X     | X     |       |                          |                      |
|                | Muscle              |        |       |       |           |       |       |       | X     | X     |                          |                      |
|                | Pancreas            |        |       |       |           |       |       | X     | X     |       |                          |                      |
|                | Skin                |        |       |       |           |       |       |       | X     |       | X                        |                      |
|                | Spleen              |        |       |       |           |       |       | X     | X     |       |                          |                      |
|                | Teeth               |        |       |       |           |       |       |       | X     | X     |                          |                      |
| Microbial      | Algae               |        | X     |       |           | X     |       |       |       |       |                          |                      |
|                | Bacteria            | X      | X     |       | X         | X     |       |       |       |       |                          |                      |
|                | Fungi               |        | X     | X     |           | X     | X     |       |       |       |                          |                      |
|                | Mold                |        | X     |       |           | X     |       |       |       |       |                          |                      |
|                | Spores              |        | X     | X     |           | X     | X     |       |       |       |                          |                      |
|                | Yeast               |        | X     | X     |           | X     | X     |       |       |       |                          |                      |
| Plant and Soil | Leaves              |        |       |       |           |       |       |       | X     | X     |                          |                      |
|                | Nuts                |        |       |       |           |       |       |       |       | X     |                          |                      |
|                | Plant, soft tissue  |        |       |       |           |       |       |       | X     | X     |                          |                      |
|                | Plant, tough tissue |        |       |       |           |       |       |       | X     | X     | X                        |                      |
|                | Seeds               |        |       |       |           |       |       |       | X     | X     |                          |                      |
|                | Stems               |        |       |       |           |       |       |       | X     | X     |                          |                      |
|                | Soil                |        |       |       |           |       |       | X     |       |       |                          | X                    |
|                | Coral               |        |       |       |           |       |       |       |       | X     |                          |                      |
| Fecal          | Stool               |        |       |       |           |       |       | X     |       |       |                          | X                    |
|                | Scat                |        |       |       |           |       |       |       | X     | X     |                          | X                    |

Above is a partial list of sample types and suggested beads. For additional information and technical support, contact Benchmark Scientific at [info@BenchmarkScientific.com](mailto:info@BenchmarkScientific.com).