

Zirconium Oxide Beads, 6.0 mm, RNase-free

Overview

Zirconium oxide grinding media provided by Next Advance is ideal for the homogenization of biological samples. The size and density of the material make it suitable for the homogenization of tissues with soft-medium toughness and for releasing bacteria from tissue.

RNase-free zirconium oxide beads undergo a controlled cleaning process and are required to meet lot-specific certification criteria. Each lot is tested, verified, and certified to be free of detectable RNase activity.



Uses

- General-purpose bead beating in bead mill homogenizers for tissue with soft-medium toughness.
- Reducing particle size.
- Generating cell suspensions from whole tissues.
- Homogenize samples to release bacteria or organelles from cells.
- Compatible with 5E or 50DX Bullet Blender homogenization models.

Example Sample Types

- Tissues with soft-medium toughness like liver, brain, or kidney.
- Including other samples with similar characteristics.

Specifications

Product Amount	10 mL
Shape	Spherical
Material	Zirconium Oxide
Composition	95% Zirconium Oxide 5% Yttrium Oxide
Specific Density	~ 6.0 g/cm ³
Bulk Density	~ 3.75 g/cm ³
Average Size	6.0 mm ± 0.10 mm

Usage Statement

This product is intended solely for research and laboratory use. It is not intended for use in humans or animals, nor for any clinical, diagnostic, or therapeutic applications. Users are responsible for ensuring compliance with all applicable standards and regulatory requirements relevant to their specific workflows.