

Zirconium Oxide Beads, 2.0 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 tissue with soft-medium toughness.

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.
- Homogenize samples to release DNA or other molecules of interest.
- Homogenize samples to release bacteria or organelles from cells.
- Compatible with all Bullet Blender homogenization models.

Example Sample Types

- Tissues with soft-medium toughness like liver, brain, or kidney.
- Thin plant material like Arabidopsis thaliana.
- Including other samples with similar characteristics.

Specifications

Product Amount	4 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	2.0 mm ± 0.08 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.