

Stainless Steel Beads, 3.2 mm, RNase-free

Overview

Stainless steel grinding media provided by Next Advance is ideal for the homogenization of biological samples. The size and high density of the material makes it suitable for the homogenization of tough tissue samples, reducing particle size, and generating single cell suspensions.

RNase-free stainless steel 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 tough tissues.
- Reducing particle size.
- Generating cell suspensions from whole tissues.
- Homogenizing samples to release bacteria or organelles from cells.
- Compatible with all Bullet Blender homogenization models.

Example Sample Types

- Tough tissue like heart, muscle and skin samples.
- Plant matter like leaf or root.
- Insects and small organisms like tick or mosquito.
- Soil or fecal matter.
- Including other samples with similar characteristics.

Specifications

Product Amount	4 mL
Shape	Spherical
Material	Stainless Steel
Composition	300 series stainless steel
Specific Density	~ 7.8 g/cm ³
Bulk Density	~ 5.5 g/cm ³
Average Size	3.2 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.

MK19-0231A