

### Overview

Stainless steel grinding media provided by Next Advance is ideal for the homogenization of biological samples. Due to the high density of the material, it is suitable for the homogenization of tough samples as well as soft samples.

### Uses

- Homogenize tissue to release protein, DNA, RNA or other molecules of interest.
- For the homogenization of tough tissue and cells.

### Caution:

- Over time, stainless steel beads will rust when in contact with aqueous media.
- If kept for long periods of time (>30 minutes) in reagents such as Trizol, discoloration of solution may occur.



### Properties

Description	Property
Shape	Spherical and Irregular Spheres (flattened or elongated)
Composition	300 series stainless steel
Specific Density	~ 7.8 g/cm <sup>3</sup>
Bulk Density	~ 5.5 g/cm <sup>3</sup>
Diameter	0.9 – 2.0 mm ± 0.08 mm

MK19-0224A