

### 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.

RNase-free stainless-steel beads (SSB05-RNA) undergo a special cleaning process. They are guaranteed and certified to be RNase-free.

### Uses

- Homogenize tissue to release protein, DNA, RNA or other molecules of interest.
- Release viable bacteria from tissue.

### 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
Composition	300 series stainless steel
Specific Density	~ 7.8 g/cm <sup>3</sup>
Bulk Density	~ 5.5 g/cm <sup>3</sup>
Diameter	0.5 mm ± 0.08 mm