

Product insert

Debris capture beads

For Research Use Only. Not for use in diagnostic procedures.

Product overview

Debris capture beads are Fe_3O_4 magnetic beads with a carboxylated silica layer. The silica coating can bind debris and sediments during the initial centrifugation step after lysis of the sample.

Product specifications

Concentration (w/v)	100 mg/mL
Appearance	Aqueous suspension of dark brown particles
Shape	Irregular
Composition	Iron oxide, silica oxide, carbon, carboxyl, nitrogen
Core	Magnetite (Fe_3O_4)
Matrix	Proprietary
Type of magnetisation	Superparamagnetic
Surface functional groups	Proprietary
Average particle size	<53 μm , 80% 5-10 μm
Surface area (BET)	30 m^2/g
Density	1,065 g/cm^3
pH stability	pH 3-12
Storage buffer	ddH ₂ O (+ 100 mM EDTA)
Recommended application	Capture of plant debris
Binding mechanism	Dependent on buffer system
Elution	Alkaline, aqueous, low salt

Storage

Debris capture beads should be stored at room temperature and are stable for 1 year. Please refer to product label for exact expiry date. The product can be shipped at room temperature.

Ordering information

Cat no.	Description	Size (mL)
NAP40151	Debris capture beads	10 mL
NAP40152	Debris capture beads	100 mL
NAP20-005-03	Debris capture beads	250 mL
NAP20-005-04	Debris capture beads	500 mL
NAP20-005-05	Debris capture beads	1000 mL

Safety information

The SDS for debris capture beads can be accessed on our [webpage](#).

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