Product insert

mag particles dry

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

Product overview

mag™ particles dry are Fe_3O_4 magnetic beads with a silica layer. The silica coating can bind nucleic acids which makes mag particles dry an ideal option for the automated purification of genomic DNA, plasmid DNA, RNA or PCR products for downstream analysis.

Product specifications

Appearance	Dark brown particles
Shape	Irregular
Composition	Iron oxide, silica oxide
Core	Magnetite (Fe_3O_4)
Matrix	Silica
Type of magnetisation	Superparamagnetic
Surface functional groups	Silanol, -Si-OH,
Average particle size	<53 µm, 80% 5-10 µm
Surface area (BET)	170 m^2/g
Recovery	DNA/RNA recovery up to 100%*
pH stability	pH 3-12
Recommended application	Genomic DNA isolation, plasmid isolation, RNA isolation
Binding mechanism	Dependent on buffer system
Elution	Aqueous, low salt

* Dependent on the isolation conditions

Storage

mag particles dry should be stored at room temperature and are stable for 2 years. Please refer to the product label for exact expiry date. The product can be shipped at room temperature.

Ordering information

Cat no.	Description	Size (mL)
NAP20-010-01	mag particles dry	1 g
NAP20-010-02	mag particles dry	10 g
NAP20-010-03	mag particles dry	100 g
NAP20-010-04	mag particles dry	1000 g

Safety information

The SDS for mag particles dry can be accessed on our webpage.

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