

Silica hydroxyl magnetic beads(Super 500 nm)

Product Information

ProductName

Silica hydroxyl magnetic beads(Super 500 nm)

Alias

MB; magnetic beads

keywords

MB; magnetic beads; Silica hydroxyl magnetic beads(Super 500 nm); MB-003M

Product Overview

Designed for nucleic acid extraction and purification, the surface modification of a large number of silanol groups (hydroxyl), can in high salt, low pH conditions and the solution of nucleic acid through hydrophobic, hydrogen bonding and electrostatic interaction, and do not bind with other impurities (such as proteins), rapid separation of nucleic acid from biological samples, safe and simple operation. It is very conducive to the automatic and high-throughput extraction of nucleic acid.

Particle size

300-500 nm

Shell material

SiO₂

Magnetic type

Superparamagnetism

Form

Monodisperse

Magnetic nuclei

Fe₃O₄

Nucleic acid binding capacity

> 20µg DNA/mg magnetic bead

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Magnetic response time

<30s

Polydispersity index

<0.2

Applications

PCR product purification

Plasmid extraction

Viral nucleic acid extraction

Genomic DNA extraction from blood, tissue, plant and microbial samples

Storage Buffer

20% ethanol

Storage

Stable storage at 2 ~ 8°C, shelf life of 2 years (can be stored or transported for a short time at room temperature).
