Tinzyme Co., Limited

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Magnetic bead

Product Number: MN01

Description

This nucleic acid extraction magnetic bead (hydroxyl) is specially designed for nucleic acid extraction and purification, with a large number of silane alcohol groups (hydroxyl) modified on the surface. It can specifically bind with nucleic acids in solution through hydrophobic, hydrogen bonding, and electrostatic interactions under high salt and low pH conditions, without binding with other impurities (such as proteins), quickly separating nucleic acids from biological samples. The operation is safe and simple, which is very conducive to the automation and high-throughput extraction of nucleic acids.

Feature	MN01	MN02	MN01A
Average particle size	150nm	300nm	Amorphous state
Magnetic nucleus	Fe_3O_4	Fe_3O_4	Fe_3O_4/Polymer polymers
Shell	SiO2	SiO2	SiO2
Magnetic type	Superparamagnetism	Superparamagnetism	Superparamagnetism
Preservation solution	0.05% Proclin300 aqueous solution		
Concentration	5%	5%	5%
Save time	Store at room temperature for 3 years		

Features

1. Superparamagnetism: very easy to disperse and does not curl;
2. Large specific surface area: very strong ability to bind to nucleic acids;
3. Good dispersibility: microspheres are not easy to harden;
4. No leakage or residual magnetism;
5. Good hydrophilicity: less non-specific adsorption, not adhering to the tube wall;
6. Diversity compatibility: suitable for various sample types such as viruses, pseudoviruses, and small fragment nucleic acids;

Note

1. Freezing, drying, and centrifugation can cause agglomeration of magnetic beads, making them difficult to resuspend and disperse, which may affect the surface properties of magnetic beads.
2. Before using this product, please make sure to shake or shake thoroughly to disperse the magnetic beads and maintain a uniform suspension state.
3. This product needs to be used in conjunction with magnetic separation equipment.
4. This product is for research purposes only.