

Silica Hydroxyl Magnetic Beads

Specification: 1ml /10ml

Storage: Store at 2-8°C, and it is valid for 2 year.(Can be stored or transported for a short time at room temperature)

Product Information:

Product Cat.	M2191	M2201
Mean particle size	500 nm	1- 4 μm
Magnetic core	Fe ₃ O ₄	Fe ₃ O ₄
Shell	SiO ₂	SiO ₂
Magnetic type	Superparamagetism	Superparamagetism
Saturation magnetization strength	/	40.37 emu/g
Specific surface area	/	9.06 m ² /g
Preserving fluid	20% Ethanol	Sodium chloride solution
Concentration	50 mg/ml	50 mg/ml
*Hydrated mean particle size	Malvern Nano assay	Malvern Nano assay

Introduction:

The Mag OH series magnetic beads are specifically designed for nucleic acid extraction and purification. The surface is modified with a large number of silanol hydroxyl groups, which can specifically bind to nucleic acids in solution through hydrophobic, hydrogen bonding, and electrostatic interactions under high-salt and low-pH conditions, without binding to other impurities such as proteins. This allows for rapid separation of nucleic acids from biological samples, with safe and simple operation, making it highly advantageous for automated and high-throughput nucleic acid extraction.

Product Advantages:

1. Superparamagnetism and high magnetic responsiveness, saving operation time.
2. Good dispersion and resuspension, which is conducive to efficient binding and recovery of nucleic acids.
3. Good physical and chemical stability, ensure the repeatability.

Note:

1. Magnetic beads are stored in 20% ethanol, and freezing, drying, and centrifugation can cause magnetic beads to agglomerate, making it difficult to resuspend and disperse them, and affecting the chemical activity of functional groups on the surface of the magnetic beads.
2. Before using this product, please be sure to fully oscillate or ultrasonicate the magnetic beads to keep them in a uniform suspended state.
3. This product needs to be used with magnetic separation equipment.
4. The product information is for reference only. If you have any questions, please call

400-968-6088 for consultation.

5. The products are all for scientific research use only. Do not use it for medical, clinical diagnosis or treatment, food and cosmetics, etc. Do not store them in ordinary residential areas.
6. For your safety and health, please wear laboratory clothes, disposable gloves and masks to operate.