

Silica Carboxyl Magnetic Beads

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)

Introduction:

The silica carboxyl magnetic beads (SC-300 and PC-300) series magnetic beads are specifically designed for nucleic acid extraction and purification. It has good suspension properties and a large number of carboxyl groups modified on the surface, 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 Information:

Product Cat.	M2220	M2221
Name	MagCOOH-PC300	MagCOOH-SC300
Particle size	300 nm	300 nm
Magnetic core	Fe ₃ O ₄	Fe ₃ O ₄
Shell	Polymer	SiO ₂
Magnetic type	Superparamagnetism	Superparamagnetism
Saturation magnetization strength	40 emu/g	50 emu/g
Concentration	50 mg/ml	50 mg/ml
Preserving fluid	Purified water, 0.05%(V/V)proclin 300	20% Ethanol

Product Advantages:

1. Superparamagnetism and high magnetic responsiveness, saving operation time and increasing sample recovery efficiency.
2. Good suspension, 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. The freezing and drying, and centrifugal operation will cause magnetic beads together, is not easy to hang and dispersed, and affects the chemical activity of the magnetic bead surface functional groups.
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.