Mag OH-1000 Hydroxyl Magnetic Beads（particle size：1000nm）

Cat： M2110
Specification： 5mL/50mL
Storage： Store at 2-8℃, and it is valid for 2 year.

Introduction：

Mag OH series magnetic beads are designed for nucleic acid extraction and purification and are modified with a large number of silanol groups (hydroxyl groups). The beads bind specifically to nucleic acids in solution under high salt and low pH conditions through hydrophobic, hydrogen bonding and electrostatic interactions without binding to other impurities such as proteins. They can rapidly separate nucleic acids from biological samples with safe and simple operation, which is very favorable for the automation and high-throughput extraction of nucleic acids.

Product Characteristics：

product name	Mag OH-500	Mag OH-1000	SuperMag OH-500
Average particle size*	500 nm（monodisperse）*	1-4μm	500 nm
magnetic nucleus	Fe_3O_4	Fe_3O_4	Fe_3O_4
shell layer	silicon dioxide (SiO_2)	silicon dioxide (SiO_2)	silicon dioxide (SiO_2)
Magnetic type	superparamagnetic	superparamagnetic	superparamagnetic
saturation magnetization strength	53.51 emu/g	40.37 emu/g	/
specific surface area	25.36 m^2 /g	9.06 m^2 /g	/
preservation fluid	20% ethanol	sodium chloride solution	20% ethanol
*Average hydration particle size, as determined by Malvern Nano			

Product Advantages:

1. super paramagnetic and high magnetic responsiveness, saving operation time.
2. good dispersibility and resuspension for efficient binding and recovery of nucleic acids.
3. good physical and chemical stability to ensure reproducibility.

Note

1. operations such as freezing, drying and centrifugation can cause agglomeration of the magnetic beads, making them less susceptible to resuspension and dispersion, and affecting the chemical activity of the functional groups on the surface of the magnetic beads.
2. Before using this product, be sure to shake or sonicate the beads to maintain a uniform

suspension state.

3. This product should be used in conjunction with magnetic separation equipment.
4. This product is for research use only.