

Amino Magnetic Beads (200 nm, 10 mg/mL)

1 Contents

Component	HY-K0224-1 mL	HY-K0224-5 mL	HY-K0224-25 mL
Amino Magnetic Beads (200 nm, 10 mg/mL)	1 mL	5 mL	25 mL

2 Introduction

MCE Amino Magnetic beads (200 nm, 10 mg/mL) are characterized by superparamagnetism, fast magnetic response, abundant amino functional groups, monodispersity, and submicron scale particle size. Biological ligands (proteins, peptides, oligonucleotides, drug molecules, etc.) can be covalently coupled to the surface of microspheres under the action of special chemical reagents (such as glutaraldehyde). It is an important carrier tool in medical and molecular biology research, and can be used as good basic materials for subsequent treatment such as coating, adsorption, chemical modification, etc.

3 Characteristics

Magnetic nucleus	Fe ₃ O ₄
Shell	SiO
Magnetic type	Superparamagnetism
Saturation magnetization	~ 60 emu/g
Amino Concentration	350 μM/g
Specific surface area	~ 50 m ² /g
Mean Diameter	200 nm (monodispersity; determined by Malvern Nano)
Bead Concentration	10 mg/mL

4 Storage

4°C, 2 years.

Do not freeze.

5 Precautions

1. The Magnetic beads are stored in ddH₂O.
2. For magnetic beads, do not centrifuge, dry, freeze or exposure to a magnetic field for a long time.
3. This product is for R&D use only, not for drug, household, or other uses.
4. For your safety and health, please wear a lab coat and disposable gloves to operate.