Mag NH2-500 nm

Catlog Number: SM-HMM-0009

Description

Silicon dioxide series magnetic microspheres are specially designed for nucleic acid extraction and purification. The surface is silica material, modified with a large number of OH or COOH groups, and can bind to nucleic acids in solution through hydrophobic, hydrogen bonding and electrostatic interaction under high salt and low pH conditions, without binding with other impurities (such as proteins), and quickly separate nucleic acids from biological samples. The operation is safe and simple, which is conducive to the automation and high throughput extraction of nucleic acid.

Basic Information

Average Particle Size: 500 nm

Magnetic Core: Fe3O4

Shell: SiO2

Magnetism Type: Superparamagnetic

Appearance: Monodisperse

Saturation Magnetization Strength: 50.11 emu/g

Concentration: 10 mg/mL

Specification

5 mL; 50 mL

Features

Rich amino content: >40 μmol/g;
Good operation performance: the magnetic beads are uniformly dispersed, superparamagnetic, magnetic response time 30 s;
Good stability and batch-to-batch reproducibility: uniform particle size, polydispersity coefficient <0.2, monodisperse.

Storage & Transportation

Stable at 2-8°C (can be stored or transported at room temperature for short periods of time)

Shelf Life: 2 years

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