

## Magnetic Microspheres

**Product Number: MB05HE**

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### Product Description

MB05HE are monodisperse ferrimagnetic beads, ~400nm in diameter. The beads are composed of silica and magnetic material. The magnetic materials are coated with silica and presenting a bead surface with optimized silica-like chemistry. The magnetic beads ensure rapid magnetic mobility and efficient isolation of nucleic acids (DNA/RNA). The beads also feature a low sedimentation rate and favorable reaction kinetics, making them particularly suited for automated assays.

### Description of Materials

1. Diameter: ~400nm
2. Structure: SiO<sub>2</sub>/Fe<sub>3</sub>O<sub>4</sub>
3. Surface group: -OH
4. Additives: Trace surfactants
5. Bead Color: Brownish yellow

### Storage and Stability

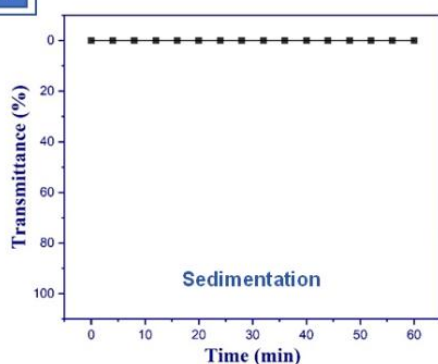
Store at 2°C to 25°C for three years.

### Recommended application

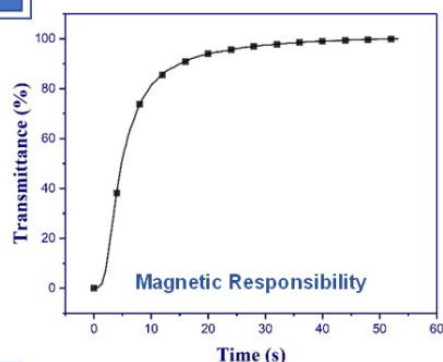
Viral nucleic acid co-extraction, swabs (pharyngeal swabs, saliva HPV,feces), PCR product purification, cfDNA

### Physical and Chemical Properties

01



02



03

Specific surface area ~30m<sup>2</sup>/g



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### **Limited Product Warranty**

Freezing, drying, centrifuging, etc. of the product may cause irreversible agglomeration of the microspheres, resulting in decreased bio-application performance.