

Magnetic Microspheres

Product Number: MB05HG

Product Description

MB05HG are polydisperse ferrimagnetic beads, ~450nm 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: ~450nm
2. Structure: SiO₂/Fe₃O₄
3. Surface group: -OH
4. Additives: Trace surfactants
5. Bead Color: Brownish yellow

Storage and Stability

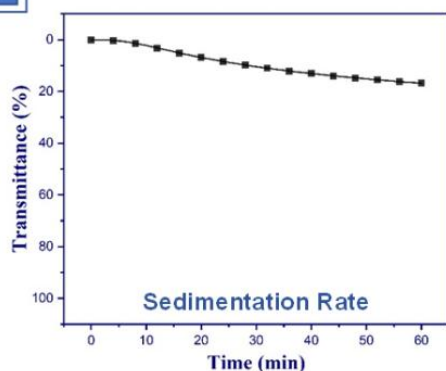
Store at 2°C to 25°C for three years.

Recommended application

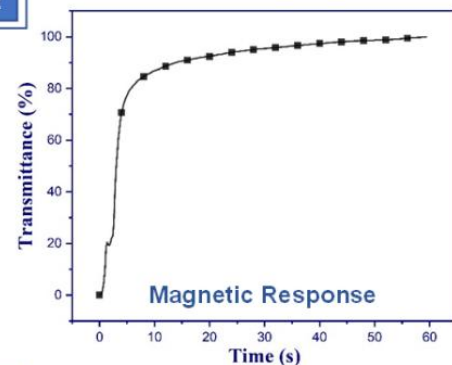
Viral nucleic acid co-extraction, swabs (pharyngeal swabs, saliva HPV, feces), PCR product purification

Physical and Chemical Properties

01



02



03

Specific surface area ~30m²/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.