

## Magnetic Microspheres

### Product Description

MS04HC are polydisperse ferrimagnetic beads, ~1.5 $\mu$ m 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

- ✧ Diameter(DLS): ~1.5 $\mu$ m
- ✧ Structure : SiO<sub>2</sub>/Fe<sub>3</sub>O<sub>4</sub>
- ✧ Surface group: -OH
- ✧ Additives: Trace surfactants
- ✧ Bead Color: Brownish Black

### Storage and Stability

Store at 2°C to 25°C for three years.

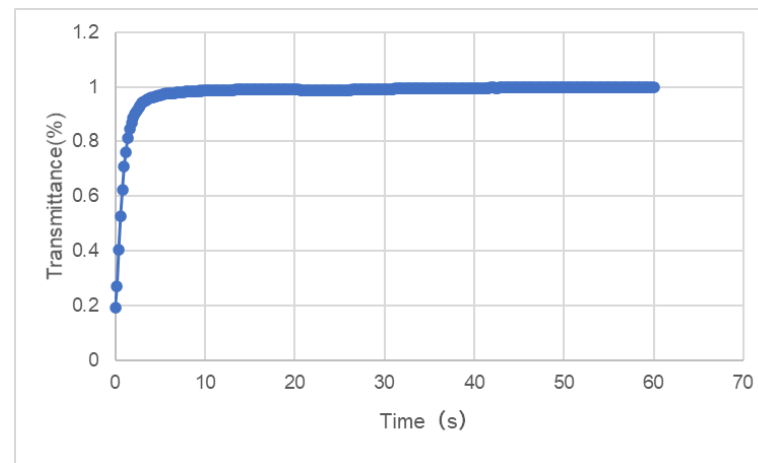
### Limited Product Warranty

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

For support visit [www.vdobiotech.com](http://www.vdobiotech.com) or email [sales@vdobiotech.com](mailto:sales@vdobiotech.com)

### Physical and Chemical Properties

#### 1) Magnetic Response



#### 2) Sedimentation Rate

