



Part No.: H-020-000855-00

Silicon Hydroxyl Beads

NEOH250III

Instructions for Use

Version: 1.0

Leading Life Science Innovation

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Research Use
Only

Wuhan MGI Bioengineering Co., Ltd.

About the instructions for use

This instructions for use is applicable to Silicon Hydroxyl Beads NEOH250III. The version of the instructions for use is 1.0 and the product version is V1.0.

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Revision history

Version	Date	Description
1.0	October 23, 2023	Initial release

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Chapter 1 Introduction

1.1 Product name

Silicon Hydroxyl Beads NEOH250III

1.2 Specification

Catalog number	Specification
940-001641-00	1000 mL/bottle
940-001643-00	100 mL/bottle
940-001642-00	10 mL/bottle

1.3 Product description

Silicon hydroxyl beads NEOH250III are monodisperse core-shell magnetic beads. These beads have nano-sized magnetic particles as their core, with a surface-modified SiO₂ shell containing a substantial amount of hydroxyl groups on silica surface. They are primarily used for the enrichment and extraction of DNA from samples such as feces and soil.

Chapter 2 Product information

Table 1 Basic information on Silicon hydroxyl beads NEOH250III

Solid content	50 mg/mL
Magnetic core	Fe ₃ O ₄
Magnetic shell	SiO ₂ Polymer/Silica
Surface functional group	OH (Silicon hydroxyl groups)
Particle size	100 nm to 300 nm
Magnetic response time	≤30 s
Color	Dark brown
Solution	Deionized water and trace preservative
Storage condition	2 °C to 8 °C

Validity period

2 years



CAUTION Do not place this product at 0°C or below to prevent the purification beads from being frozen.

Chapter 3 Warnings and precautions

- This product is for research use only. Please read this instructions for use of the product carefully before use.
- All reagents should be used according to the requirements after being taken out from the prescribed storage conditions. Mix the reagents before use.
- To ensure the accuracy, use a pipette in an appropriate volume range to add reagents.
- Direct contact with skin and eyes should be avoided for all samples and reagents. Do not swallow. If accidental ingestion occurs, please get medical attention immediately. If skin exposure occurs, rinse with large amounts of water and get medical attention if irritation persists.

Appendix 1 Manufacturer information

Manufacturer	Wuhan MGI Bioengineering Co., Ltd.
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