

Silicon Hydroxyl Magnetic Beads NEOH250III



—Recommended for nucleic acid extraction from complex samples, such as stool and soil.

Silicon hydroxyl magnetic beads NEOH250III is monodisperse superparamagnetic beads with a large number of silicon hydroxy groups on surface. It has a good extraction efficiency and low non-specific adsorption, and is suitable for nucleic acid extraction from complex samples, such as stool and soil.



Highlights

- Good dispersibility and suspension**
Efficient binding and recovery of nucleic acid
- Fast magnetic response**
Suitable for large-scale automated nucleic acid extraction
- Low non-specific adsorption**
Low inhibition of downstream application

Product Parameters

Product Specification	100 mL/bottle, 1000 mL/bottle
Concentration	50 mg/mL
Magnetic Core	Fe ₃ O ₄
Magnetic Shell	SiO ₂ Polymer/Silica
Surface Group	OH (Silicon hydroxyl groups)
Particle Size	100-300 nm
Magnetic Response Time	<30s
Color	Black brown
Expiration Date	2 years
Storage Condition	Store at 2°C-8°C; do not cryopreserve
Application	Extract nucleic acid from complex samples, such as stool and soil

● Performance

The magnetic beads in different extraction kits were replaced with magnetic beads NEOH250III. Under the same experimental conditions, the extraction concentration and PCR results were compared before and after NEOH250III replacement. The results showed that those extraction kit with NEOH250III have the same performance as the original kits.

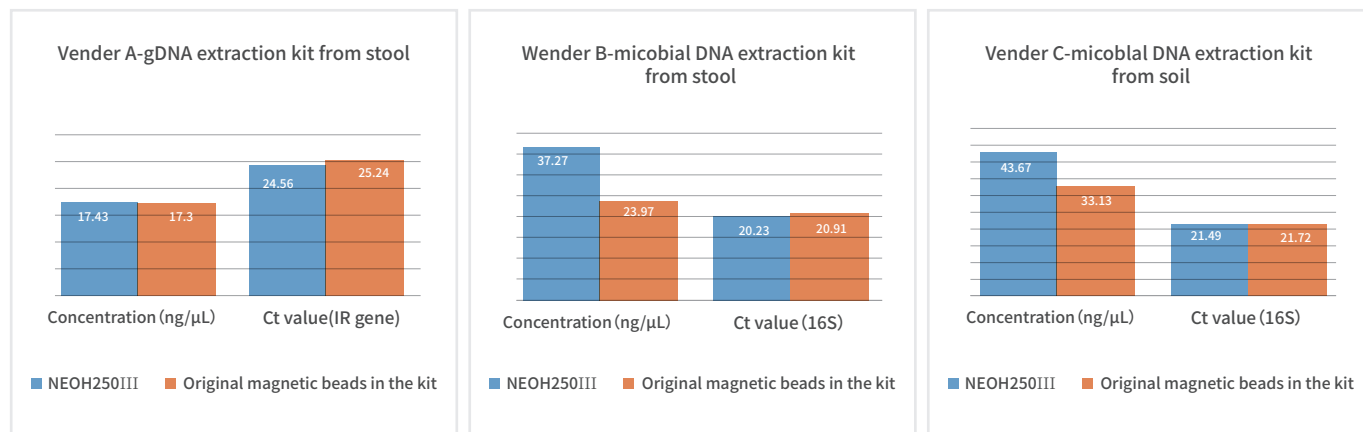


Fig 1. The magnetic beads in different extraction kits were replaced with magnetic beads NEOH250III. Those extraction kits are (A)stool gDNA extraction kit (B) stool microbial DNA extraction kit (C) soil microbial DNA extraction kit. Under the same experimental conditions, the extraction concentration and PCR results were compared before and after NEOH250III replacement

● Ordering Information

Cat. No.	Product Name	Specification
940-001643-00	Silicon Hydroxyl Magnetic Beads NEOH250III	100 mL/bottle
940-001641-00	Silicon Hydroxyl Magnetic Beads NEOH250III	1000 mL/bottle

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