

# Silicon Hydroxyl Beads NEOH400III User Manual

Manual Version: 1.0

## 【Product name】

Silicon hydroxyl beads NEOH400III

## 【Product contents】

Cat. No.	Size
940-000650-00	1000 mL/unit
940-000652-00	100 mL/unit

## 【Product description】

Silicon hydroxyl beads NEOH400III are monodisperse core-shell magnetic beads. This magnetic bead is composed of a submicron-scale magnetic particle core and a silanol polymer shell with the surface containing a large number of silanol groups. It is mainly used to extract cell-free DNA from samples such as blood and urine.

## 【Specifications】

The specifications of silicon hydroxyl beads NEOH400III are shown as below:

Table 1 Specifications

Diameter	300 to 500 nm
Concentration	50 mg/mL
Color	Black
Magnetic response time	< 30 s
Composition	Fe <sub>3</sub> O <sub>4</sub> magnetic particles and silanol polymers
Functional group	-OH (Silanol)
Preservation solution	Deionized water with trace preservatives

## 【Storage and validity period】

The product is valid for 2 years at 2°C to 8°C.



**Note: The Magnetic beads cannot be frozen.**



### **【Precautions】**

1. This product is only used for scientific research. Please read this manual carefully before use.
2. All reagents need to be mixed evenly before use.
3. It is recommended to use a pipette with an appropriate measurement range to ensure aspiration of accurate sample volumes.
4. Keep your skin and eyes from direct contact with any sample or reagent. Do not swallow any sample or reagent. If it happens, immediately rinse with plenty of water and go to the hospital for treatment in time.

### **【Manufacturer information】**

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