



# MGI Magnetic Beads TQ01 User Manual

Manual Version: 1.0

## 【Product name】

MGI magnetic beads TQ01

## 【Product contents】

| Cat. No.      | Size         |
|---------------|--------------|
| 940-000120-00 | 1000 mL/unit |
| 940-000121-00 | 100 mL /unit |

## 【Product description】

MGI magnetic beads TQ01 are monodisperse micron-sized magnetic beads that are highly uniform in particle size, stable in structure, small in batch variation, and large in specific surface areas. The large amount of carboxyl groups on the surface endows the magnetic beads with an excellent nucleic acid adsorption capacity. In addition, the magnetic beads have a fast magnetic response, are easy to disperse and resuspend, and can be adapted to a variety of lysis binding buffers. Hence, the magnetic beads are used to extract nucleic acid from various samples with trace of nucleic acid.

## 【Specifications】

The specifications of MGI magnetic beads TQ01 are shown as below:

Table 1 Specifications

|                        |                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------|
| Diameter               | About 1 $\mu$ m                                                                                                   |
| Concentration          | 25 mg/mL                                                                                                          |
| Color                  | Brown                                                                                                             |
| Magnetic response time | < 30 s                                                                                                            |
| Composition            | PMAA microspheres and evenly distributed Fe <sub>3</sub> O <sub>4</sub> /Fe <sub>2</sub> O <sub>3</sub> particles |
| Functional group       | -COOH (carboxyl)                                                                                                  |
| 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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