

## User Manual for 1.5ml Tube Magnetic Rack (Model: MS-08)

Please read this manual carefully before using the product and keep it for future reference.

### 1. Product Introduction

This product is a magnetic separation rack designed for 1.5ml PCR tubes in a biological laboratory setting. It is equipped with high-performance permanent magnets, enabling a strong magnetic field without any external power source. Its specialized design efficiently and rapidly captures magnetic beads from a solution, holding them against the tube wall to facilitate the easy separation of target substances (such as nucleic acids, proteins, etc.) from impurities.

This magnetic rack is specifically designed to be compatible with standard 1.5ml PCR tubes, making it an ideal tool for experiments using magnetic bead-based methods, such as nucleic acid extraction, immunoprecipitation (IP), and cell sorting.

### 2. Principle of Operation

The core components of this magnetic rack are high-strength permanent magnets. Because the magnetic force is an inherent physical property, **the rack is always in a working state** and does not require a power switch. When an 1.5ml tube containing a magnetic bead suspension is placed into the rack, the magnetic field penetrates the tube wall, attracting the paramagnetic beads and immobilizing them against the side of the tube closest to the magnet, forming a tight pellet.

### 3. Product Specifications

- **Product Name:** Magnetic Rack for 1.5ml Tubes
- **Compatible Consumables:** Standard 1.5ml PCR tubes and caps
- **Body Material:** Chemical-resistant engineering plastic or aluminum alloy

### 4. Procedure

Just wait some time to make sure all beads are separated.