

# Magnetic Stand

## 1 Contents

Contents	HY-K0200
Magnetic Stand	200 $\mu$ L-2 mL-15 mL

## 2 Introduction

The MCE Magnetic Stand is a special supporting equipment for magnetic bead products, applicable to all types of MCE magnetic bead products. With a strong magnetic core, it can achieve fast and efficient separation. Featured with a unique sandwich groove design, MCE Magnetic Stand can hold up to 16 standard 1.5-2 mL EP tubes and facilitate user's single-hand operation. The smarter ergonomic design provides a good control and visibility of your sample. The top rack is easy to fasten and remove for experiments.

This product is suitable for antibody purification, immunoprecipitation, co-immunoprecipitation, cell sorting and nucleic acid separation

## 3 General Protocol

1. Place tubes containing the magnetic beads suspension in the sample hole. The beads will be absorbed on the wall of tubes after standing for several minutes, then the suspension will be clear.
2. Gently remove the supernatant with a pipette or pour the liquid out slowly and carefully.
3. Remove the magnetic bar, then add the resuspension solution, well-mixed with gently shaken for next operation.

Note: Time of magnetic separation is corresponded to the magnetic beads' size. The Smaller the magnetic beads' diameter is, the longer the magnetic separation time takes. The viscosity and the composition of the supernatant affect the magnetic separation as well.

## 4 Precautions

1. Depending on the experimental parameters and sample volume, the magnets' sites are adjustable and the suitable magnetic stand may be different.
2. In order to reduce the loss of magnetic beads, please put the bottom of sample tube (centrifuge tube or EP tube) close to the groove at the bottom of the magnetic stand. This promotes bead adsorption on the side wall of container, therefore after the beads are gathered into a point or a line, slowly and carefully pour out the liquid or gently remove the supernatant with a pipette.
3. As the magnetic stand has a powerful magnetic field, please be sure to avoid contact with cell phones, computers, watches, pacemakers, magnets and other objects susceptible to magnetic interference. Be cautious of knives which may incur people injuries.
4. If multiple magnetic stands ( $\geq 2$ ) are needed at the same time, they should be placed separately to avoid mutual influence of magnetic fields. Do not put a number of magnetic bars together in order to prevent clip injuries.
5. Avoid direct contact with corrosion substances, such as strong acid and alkali.
6. Please do not disassemble the Magnetic Stand as there is a powerful magnet core inside.
7. To protect the Magnetic Stand shell, avoid long-time exposure to sunlight or ultraviolet radiation.
8. To keep the magnetism of the Magnetic Stand, avoid exposure to heat or a strong external magnetic field environment.
9. Please clean the magnetic stand, keep it dry and store properly after use.

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