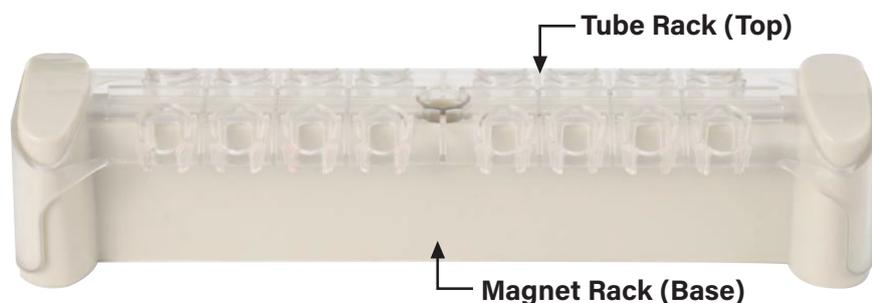


KIT-MAG16A

1st BASE Magnetic Rack

16 tubes (1.5ml/2.0ml)



Strong permanent magnet.

Efficient sample recovery.

Enhanced sample visibility.

Quick tube removal.

Optimized tube angle for easy aspiration.

KIT-MAG16A, 1st BASE Magnetic Rack is designed for fast and efficient magnetic separation of magnetic beads in tube-based workflows, commonly used in nucleic acid extraction applications. The magnetic rack is supplied with two-component system:

a. Magnet Rack (Base)

- Permanent magnet with magnetic field intensity of more than 5500 gauss.

b. Tube Rack (Top)

- Removable tube rack.

These components allow the tube rack to be easily detached from the magnetic base which provide conveniency to user. This feature enables direct placement of tubes on a shaker or vortex mixer during extraction procedures, without the need to remove the tubes from the rack.

| | |
|------------------------------|--|
| Product No. | KIT-MAG16A |
| Product Name | 1st BASE Magnetic Rack (1.5ml/2.0ml), for 16 tubes |
| Application | Magnetic bead-based separation |
| Rack Dimension | 216.9 mm (L) x 46.1 mm (W) x 47.1 mm (H) |
| Tube Capacity | 16 tubes, Suitable for 1.5 mL/2.0 mL microcentrifuge tubes |
| Working Volume | 0.1 mL – 2.0 mL |
| Operating Temperature | Magnetic rack should not be used above 50 °C |



1st BASE

YOUR RESEARCH, OUR BUSINESS

Magnetic Rack Performance

➤ Visibility

Optimized design ensures high clarity, providing excellent visibility of magnetic bead binding during processing.

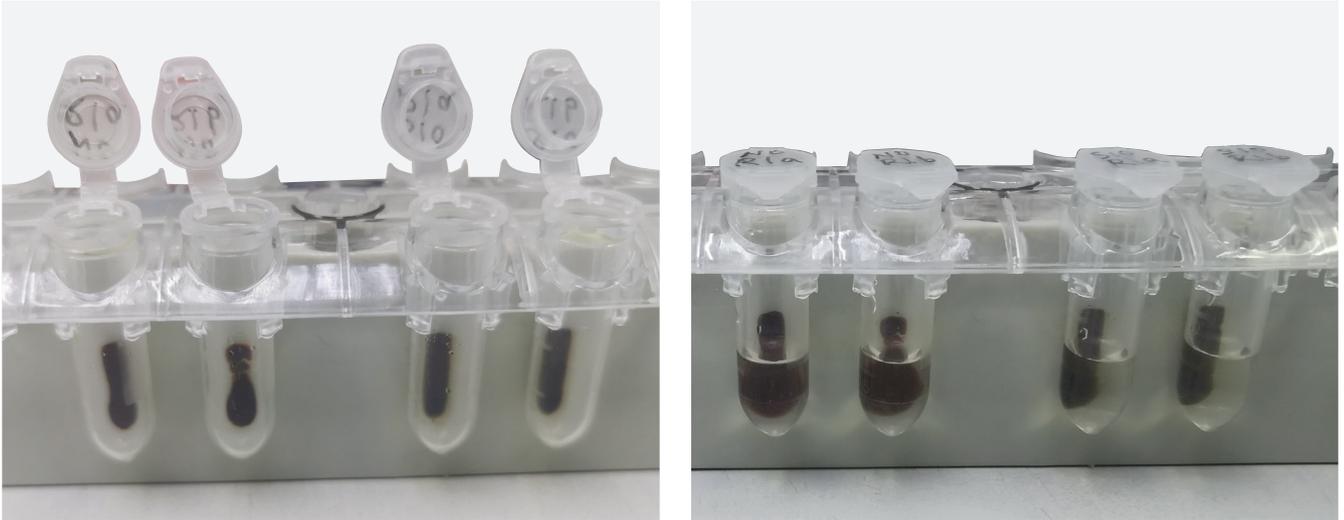


Figure 1 The rack designed for multi-angle clarity to ensure consistent observation of magnetic binding during procedures.

➤ Magnetic Binding Time

5 – 60 seconds (varies by magnetic bead solution), enabling rapid and efficient processing.

➤ Bead Compatibility

Compatible with magnetic beads from multiple leading brands.

Storage and Stability

The magnet, composed of permanent magnets, must be stored in a dry and cool place and should never be used at a temperature above 50 °C.

Cleaning & Maintenance

- ✓ Recommendation:
 - a. 70% Isopropyl Alcohol
 - b. 1% Sodium Hypochlorite Solution (bleach)
 - c. 0.1N HCl solution
- ✓ Spray and wipe only – do not soak or immerse into the cleaning solution
- ✓ Avoid prolonged exposure to water or aqueous solution
- ✓ **DO NOT** autoclave the rack

