

MINI-SEPARATOR Magnetic Particle Separator Product No. MPS0001

The Mini Magnetic Particle Separator is manufactured from ultra high molecular weight polyethylene and contains a Neodymium-Iron-Boron magnet.

The Mini-Separator plays a significant role in our MPG® magnetic particle technology. The Mini-Separator is a rapid means to effect the separation desired. Using our MPG® products, the particles, with the target material attached, are drawn to the tube wall adjacent to the magnet within moments of placing the centrifuge tubes in the stand.

This separator holds one microcentrifuge tube. The Mini-Separator is convenient to use when you are processing only one sample at a time. The unique design of this separator makes it easy to handle and steady on lab surfaces. This separator offers an economical choice for first time users.

Minimum Magnetic Properties Neodymium-Iron-Boron Magnets

Br (Residual Induction)	12,000 Gauss
Hc (Coercive Force)	11,200 Oersteds
Hci (Intrinsic Coercivity)	14,000 Oersteds
(BH) max (Maximum Energy Product)	34,000 MGOe

Warning: The product should not be kept in close contact with magnetic tapes, computer disks, any magnetic storage systems, or other delicate electronic instruments and/or devices that might be interfered with or damaged by a strong magnetic field.

Note: The Mini-Separator is not autoclavable and heating should be avoided. Use mild soap or 70% ethanol for cleaning or disinfection.

Instructions for Use:

Follow the procedure or protocol for the MPG® product you are using. When Magnetic Separation, Resuspension or Washing is specified, use the Mini-Separator as follows:

Separation

1. Insert the test tube in the Mini-Separator
2. Let the tube remain in the Mini-Separator for 30 seconds allowing the particles to be drawn to the wall of the tube.
3. The tube should remain in the Mini-Separator while removing the supernatant.

Washing

1. Remove the tube from the Mini-Separator. Add the wash solution along the wall of the test tube resuspending the particles. Vortex to ensure full suspension.
2. Insert the tube in the Mini-Separator for 30 seconds between each washing cycle.

Resuspension

1. Remove the tube from the separator. Add the appropriate solution along the wall of the test tube resuspending the particles. Vortex to ensure full suspension.