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## BEADS ABOVE THE REST™

### DESCRIPTION

Superparamagnetic particles have been utilized extensively in diagnostics and other research applications for the isolation of cells and biomolecules, such as antibodies, nucleic acids, and polypeptides. The biomagnetic separators available from Bangs Laboratories accommodate a complete range of magnetic separation applications, including cell sorting, mRNA and DNA isolation, and the purification of biomolecules.

Our biomagnetic separators feature high-energy neodymium-iron-boron [Nd-Fe-B] magnets that ensure fast separation rates, excellent wall or well retention, and maximum yield. They are suitable for use with our ProMag™, COMPEL™, and BioMag® microparticle product lines.

### AVAILABLE PRODUCTS

#### 1.5mL Magnetic Separator (Cat. Code LS001)

The 1.5mL Magnetic Separator is a durable plastic magnetic separation unit designed to accommodate a standard 1.5mL microcentrifuge tube for research scale magnetic separations. Upon placement of the tube on the separator, the magnet will quickly draw superparamagnetic particles to the wall of the tube and out of the solution. Once separation is complete, with particles held firmly to the wall, the supernatant may be removed. The 1.5mL Magnetic Separator is simple and easy to use with most established bead protocols.



#### BioMag® MultiSep Magnetic Separator (Cat. Code MS001)



The BioMag® MultiSep Magnetic Separator accommodates three different tube sizes, which makes it a convenient and economical solution for processing magnetic microsphere samples. The MultiSep can be used with 50mL, 15mL, or 1.5mL centrifuge tubes for individual separations in a variety of applications.

#### BioMag® Multi-6 Microcentrifuge Tube Separator (Cat. Code MS002)

The BioMag® Multi-6 Microcentrifuge Tube Separator is a durable plastic magnetic separation unit designed to accommodate six 1.5mL microcentrifuge tubes. The magnets and tube holders are positioned to efficiently magnetically separate microliter volumes common in molecular biology applications.



#### BioMag® 96-Well Plate Separator (Cat. Code MS003)



The BioMag® 96-Well Plate Separator is a durable magnetic separation unit designed to accommodate most 96-well plates. The magnetic separator consists of permanent magnets enclosed in a plastic frame.

#### BioMag® 96-Well Plate Side Pull Separator (Cat. Code MS005)

The BioMag® 96-Well Plate Side Pull Magnetic Separator is a durable magnetic separation unit designed to accommodate 96-well plates that allow the magnetic pins to fit between the individual wells. This separator allows magnetic particles to be pulled to the side of the wells, giving access to the bottom of the wells for more complete fluid removal and less chance of particle aspiration. The magnetic separator consists of 24 permanent neodymium-iron-boron rod magnets embedded in a plastic frame. Each individual magnet addresses 4 wells.



#### BioMag® Flask Separator (Cat. Code MS004)



The BioMag® Flask Separator is a 12.5cm x 6cm rectangular magnetic separation unit designed for use with tissue culture flasks. Test tubes may be used with this unit by securing the tubes against the magnet with a rubber band. The unit consists of permanent magnets encased in a plastic frame.

### STORAGE AND STABILITY

It is recommended that biomagnetic separators should be stored in a cool, dry environment. Biomagnetic separators should be cleaned with a damp cloth and mild detergent when exposed to hard solvents. Do not autoclave.

### SAFETY

Handle with care. Avoid direct contact with the magnet material. Persons with pacemakers / implants should avoid direct contact. Keep loose ferrous material away. Do not attempt to disassemble.

Keep all magnetic media, watches, and sensitive electronic devices away from the biomagnetic separator unit. Credit cards, tape, and disk can be erased in the presence of a magnetic field. Bodily harm (pinching of hands and skin) can result if magnets are not handled correctly. Maintain distance between two or more biomagnetic separators.

**This product is for research use only and is not intended for use in humans or for *in vitro* diagnostic use.**

### ORDERING INFORMATION

Cat. Code	Description	Size
LS001	1.5mL Magnetic Separator	1 each
MS001	BioMag® MultiSep Magnetic Separator	1 each
MS002	BioMag® Multi-6 Microcentrifuge Tube Separator	1 each
MS003	BioMag® 96-Well Plate Separator	1 each
MS005	BioMag® 96-Well Plate Side Pull Separator	1 each
MS004	BioMag® Flask Separator	1 each

Order online anytime at [www.bangslabs.com](http://www.bangslabs.com).