LIFESEP® Biomagnetic Separators for Life Sciences

Dexter is at the forefront of magnetic technology for life sciences with its revolutionary biomagnetic separators. From single vessel to bulk separation, the Dexter engineers have designed patented devices to provide rapid and reliable results.

The company's commitment to LIFESEP® technology has made it a resource for leading players in the biotech, life science and pharmaceutical fields. Biomagnetic and bead



processing solutions are just some of the solutions for the medical industry which Dexter has designed.

LIFESEP[®] Applications:

- > DNA separation and mRNA purification
- > Cell isolation and rare cell detection
- > Development of immunoassays
- > Capture of biomolecules
- > Protein purification

LIFESEP® magnetic bead separators and products are designed to work with most commercially available superparamagnetic beads, roughly 0.8 micron and above. Smaller beads can be used, but it is important to ensure the size distribution of the beads is narrow and the magnetic mass susceptibility is adequate.

For beads in the nanometer range, Dexter can provide exteremely high-gradient, custom separation devices achieving efficient collection that might otherwise only be possible with matrix-based technology.

For further reading on bead / protocol compatibility and LIFESEP® care, please visit www.dextermag.com.



Reduce cycle time and maximize yield with reliable and easy-

to-use patented magnetic

separation technology.

LIFESEP® Biomagnetic Separator Devices

LIFESEP® SX Stands for Single Tube / Vessel Units

LIFESEP[®] PRODUCT FAMILY BENEFITS AT A GLANCE:

- > Patented technology
- > Open-faced design
- Rapid separation and superior retention of micro and nanometer particles
- > Durable and easy to use



LIFESEP® MX Trays for Microtiter Plate Units



ABOUT DEXTER

Dexter Magnetic Technologies is the global leader in specification, design and fabrication of magnetic products and assemblies. Since its founding in 1951, solutions designed by Dexter have and continue to positively impact our world daily – from life-saving medical devices to intelligent optics.

As the essential magnetic system partner, our teams of engineers and support staff are dedicated to delivering innovative technological solutions and services through a powerful combination of engineering and manufacturing expertise.



*LIFESEP® MX Series are available to be customized with corporate logo and imprint. *LIFESEP® MX Series are compatible with most Nunc and Greiner plates.

${\tt SpeedSep}^{\scriptscriptstyle \rm M}$ 5000 - Automated Bulk Separation Station

Separator	SpeedSep [™] 5000
Part Number	2905105
Volume (mL)	5000
Height (mm)	479
Width (mm)	762
Depth (mm)	508
Weight (kg)	81.6
Vessel Diameter (mm)	152.4
Electric Requirements	12V @ 2A input,
	120 / 240V external adapter

