

CLEMENTE ASSOCIATES

Magnetic Beads & Separators / Nucleic Acid Isolation

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PRODUCTS: SEPARATORS AND SUPPLIES

SEPARATORS, REAGENTS, & SUPPLIES		
ID	Description	Use
Ds1	Dynamic Separator monopole μ l tubes to 50 ml	250 nm
Ds3	50nm Separator for Flow or stationary capture	50 nm
fc4	4 ml Pyrex flow cell	
fc8	8 ml Pyrex Flow Cell	
Msp	Small volume 250 nm separator	250 nm
Inquire about custom separators		

MICROBIOLOGY PRODUCTS					
ID	Description	Catalog #	Particle Size/Volume	Catalog #	Particle Size/Volume
103	Anti E. Coli 0157 Monoclonal	0157-200	250 nm 2 ml	O157-50	50 nm 2 ml
104	Prion Protein [PrP] monoclonal ,neurons,astro	PrP250	250 nm 2 ml		
105	Campylobacter jejuni	cam250	250 nm 2 ml		
106	H.pylori [all antigens]	hpy250	250 nm 2 ml		
107	Listeria Monocytogenes [all antigens]	lis250	250 nm 2 ml		
108	Salmonella sp. [group]	sal250	250 nm 2 ml		
109	Anti E. coli 0157 Polyclonal	O157-200P	200 nm 2 ml	O157-50P	50 nm 2 ml

MAGNETIC SEPARATORS

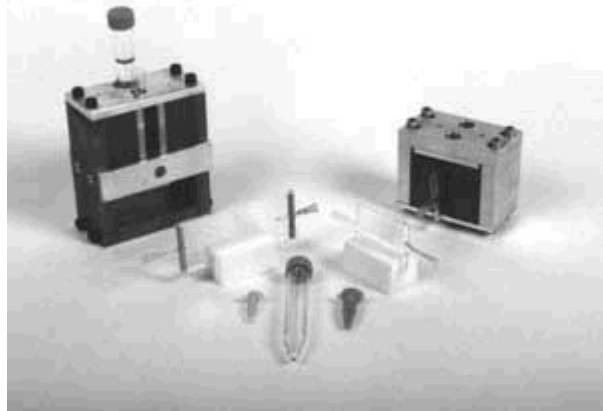
The Dynamic Separator for the 250nm particle is designed for either slow, gentle isolations or rapid magnetic collection.

Clemente Magnetics has discovered that rapid magnetic separations of large magnetic particles using rare earth magnets can cause shearing of Nucleic acids, cellular damage or viability problems. The Dynamic Separator allows you to select the rate of magnetic particle collection. The Clemente Magnetic Particles are compatible with competitive rare earth magnetic separators. The Dynamic Separator accommodates multiple tubes in various sizes, from μ l to liter volumes, as well as the Clemente Flow Cells, thereby eliminating the need to purchase multiple separators.

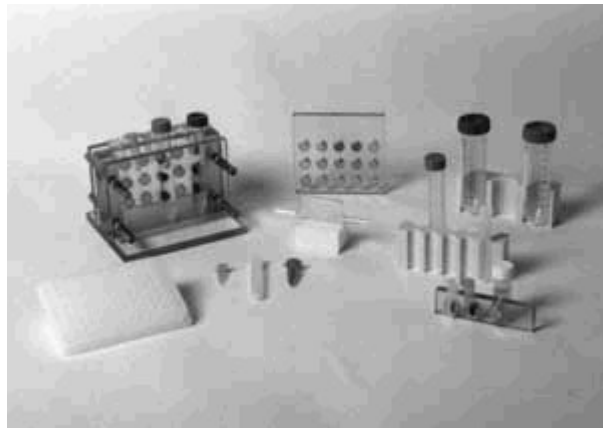
The msp Magnetic Separator (photograph on the right, right foreground) is an inexpensive rare earth separator that has three permanent magnets fixed in polycarbonate. Both sides of the separator are functional, allowing six 1.5ml tubes or two 15 ml tubes to be attached to the separator. This separator is portable and can be heat-sterilized.

Flow Cells

Rectangular flow cells with volumes from 4 ml to 20 ml are available for use in closed systems. These flow cells are made of Pyrex and can be heat sterilized and reused.



The Clemente 50nm Separator ds-3 is made of stronger, neodymium rare earth magnets. The design of the separator allows one to insert a rectangular flow cell or stationary tube within a slot to perform the separation. This high intensity magnetic field is required for 35nm and 50nm sized magnetic particles.



The Dynamic Separator houses 15 permanent magnets in polycarbonate, which can be heat-sterilized. It can hold thirty 1.5 ml tubes, ten 15 ml tubes, and four 50 ml tubes. The vertical magnetic wall can be used for 96 well isolations. The msp is shown in front, on the right.