

All Our 96-well Magnet Plates in One Product

- Low to High Reaction Volumes
- Elution Volumes as Low as 10 μ l
- Up to 4.5x Faster for 1mL Samples Compared to Standard Ring Magnets
- Accommodates All 96-well Plate Types
- Universal Liquid Handler Compatibility
- Spring Cushion Technology for Maximum Sample Recovery

Magnum FLX[™]

Enhanced Universal Magnet Plate



One Magnet Plate...
Endless Applications

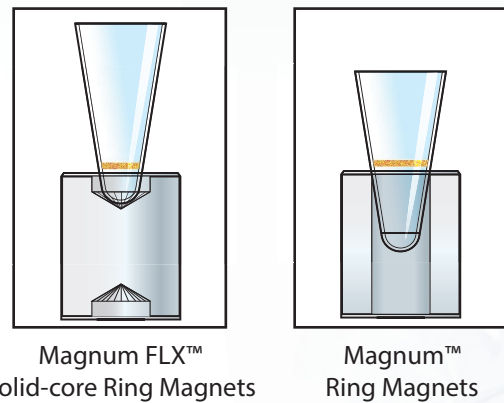
Magnum FLX™ Enhanced Universal Magnet Plate

Up to 4.5x Faster than Standard Ring Magnets

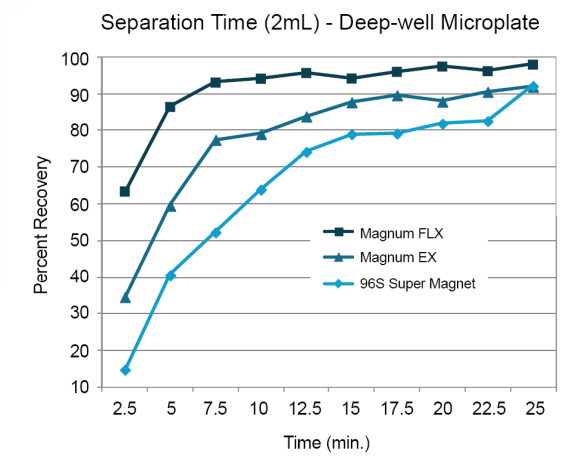
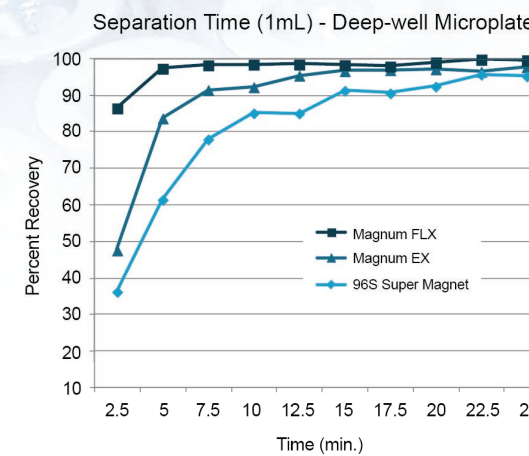
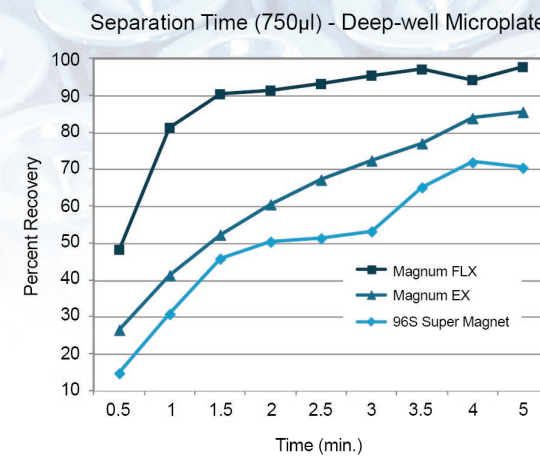
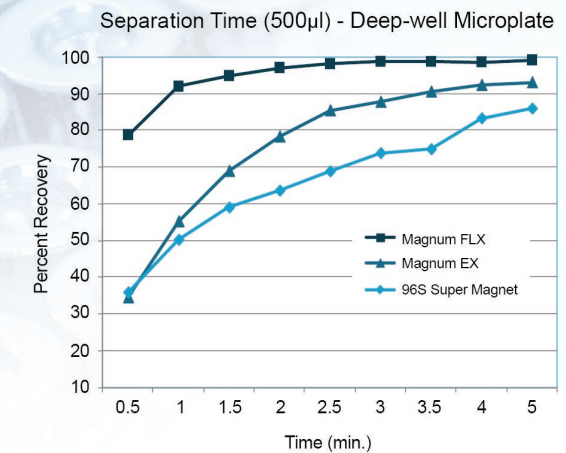
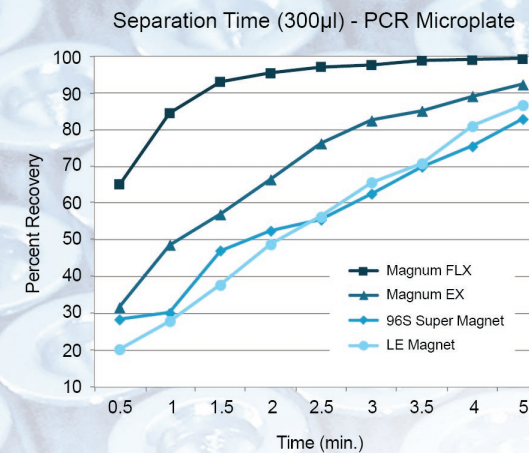
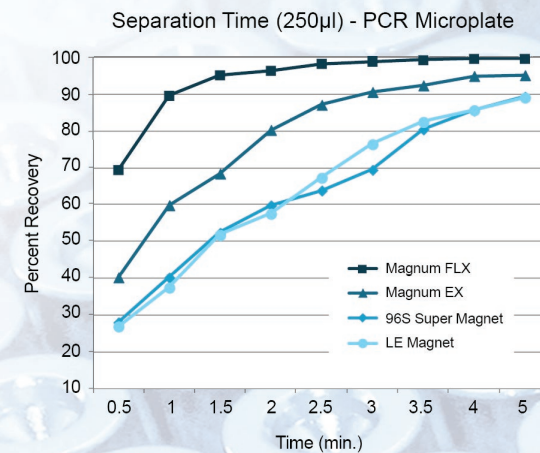
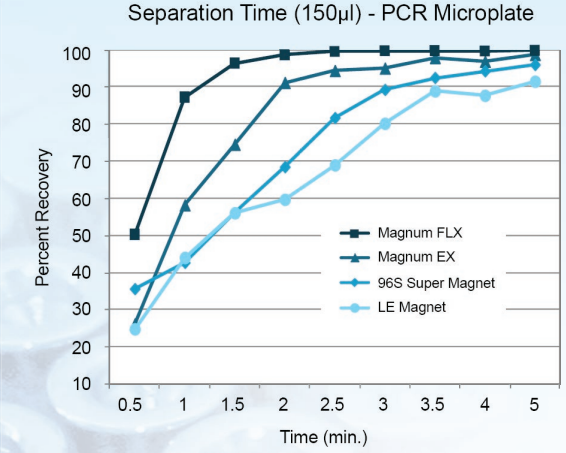
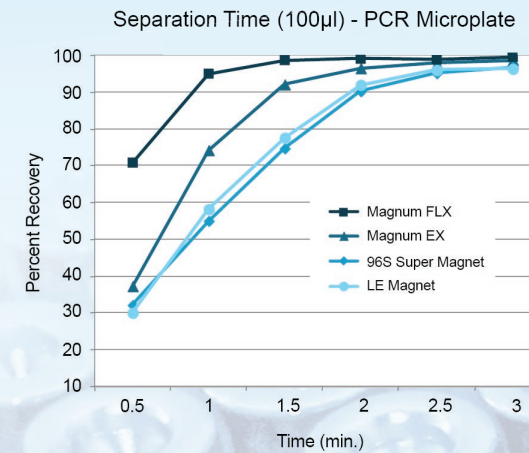
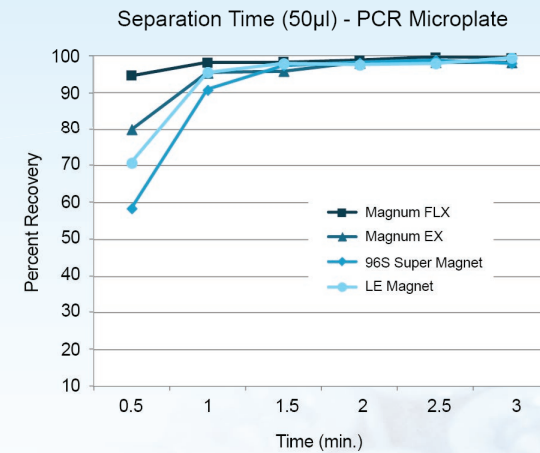
The Magnum FLX™ Enhanced Universal Magnet Plate contains new, proprietary solid-core* ring magnets for increased speed and performance. The unique geometry of the solid-core magnets facilitates rapid separation of all sample volumes and low volume nucleic acid elution.

These capabilities are complemented by universal compatibility with all commonly used 96-well microplates and robotic platforms.

Comparison of Magnum FLX™ vs. Magnum™ ring magnet configurations



Reaction Volume	Magnum FLX™ Separation Time
PCR Microplate	
50 µl	0.5 Minute
100 µl	1 Minutes
200 µl	2 Minutes
300 µl	2.5 Minutes
Deep-well Microplate	
500 µl	1.5 Minutes
750 µl	3 Minutes
1000 µl	5 Minutes
2000 µl	12.5 Minutes



Percent Recovery versus Time

Various volumes of a magnetic bead reagent were added to a standard 96-well PCR or deep-well microplate and placed on the Magnum FLX™, Magnum™ EX, 96S Super Magnet, or LE Magnet Plate. Percent recovery over time was determined using spectrophotometry.

*Patent pending

Maximum Compatibility



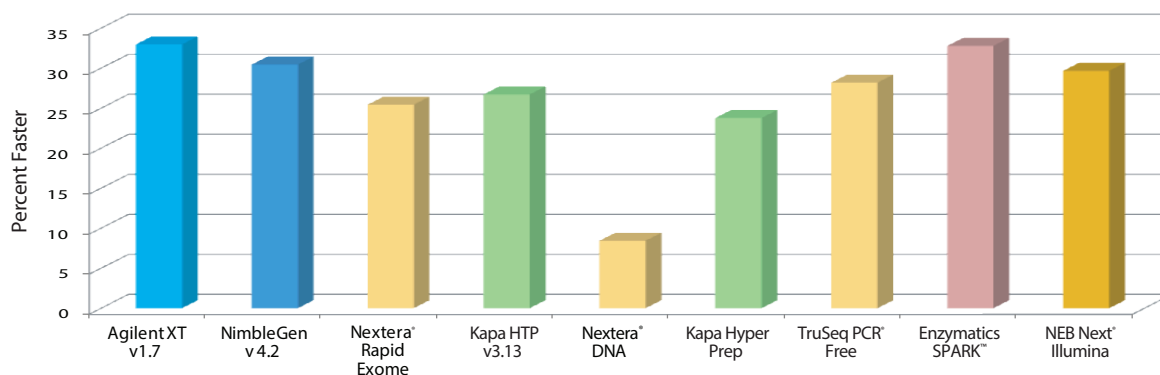
Reaction Volumes: 50 μ l to 2 mL

Elution Volumes: As low as 10 μ l

Supported Plate Types:

- Standard and Deep-well
- Flat-, Round-, and V-Bottom
- Full-, Semi-, and Non-Skirted PCR Plates

Rapid Settle Times Significantly Decrease Library Construction Time



Percent Decrease in Standard Library Construction Time

Time decrease calculated using optimized Magnum FLX™ protocols compared to published protocols. Standard bead-based size selection was performed where applicable. Calculations exclude incubation and hybridization times.

Ordering Information

Buy online at www.alpaqua.com/store, or place your order by phone, fax, or email at sales@alpaqua.com.

Product Name	Description	Catalog #
Magnum FLX™ Enhanced Universal Magnet Plate	Universally compatible 96-well magnet plate for rapid magnetic bead separations of volumes up to 2ml. Enables elution volumes as low as 10 μ l.	A000400



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