

MAGNUM FLX

All Our 96-well Magnet Plates in One Product

- Low to High Reaction Volumes
- Elution Volumes as Low as 10µl
- 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

ALPAQUA®

Magnum FLXTM Enhanced Universal Magnet Plate

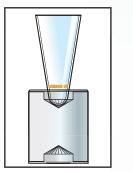
One Magnet Plate... Endless Applications

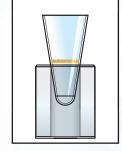
Magnum FLX[™] Enhanced Universal Magnet Plate

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

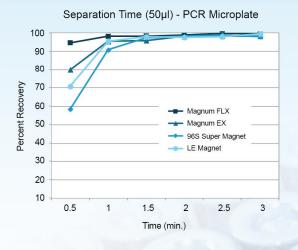


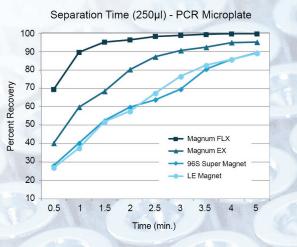


Magnum FLX[™] Solid-core Ring Magnets

Magnum™ **Ring Magnets**

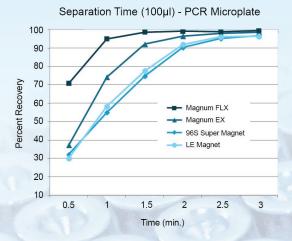
Reaction Volume	Magnum FLX™ Separation Time		
PCR Microplate			
50 μl	0.5 Minute		
100 µl	1 Minutes		
200 µl	2 Minutes		
300 µl	2.5 Minutes		
Deep-well Microplate			
500 µl	1.5 Minutes		
750 μl	3 Minutes		
1000 µl	5 Minutes		
2000 μl	12.5 Minutes		



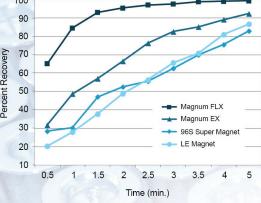


Separation Time (750µl) - Deep-well Microplate 100 90 80 70 60 50 --- Magnum FLX 40 ---- Magnum EX 30 ---- 96S Super Magnet 20 10 0.5 1.5 2 2.5 3 3.5 4 5 1 Time (min.)

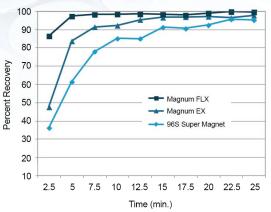
Up to 4.5x Faster than Standard Ring Magnets



Separation Time (300µI) - PCR Microplate 100



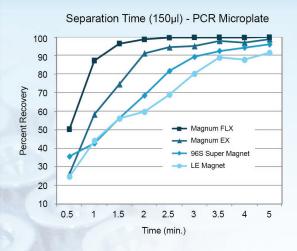
Separation Time (1mL) - Deep-well Microplate

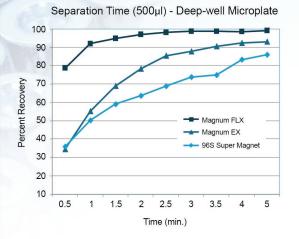


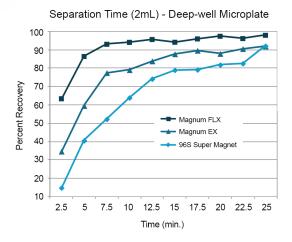
Percent Recovery versus Time

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.

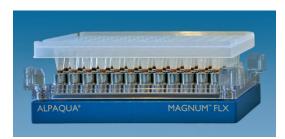








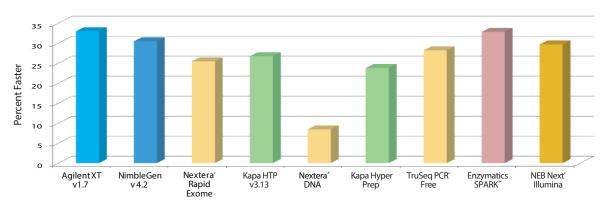
Maximum Compatibility



Reaction Volumes: 50 μl to 2 mL **Elution Volumes:** As low as 10 μl **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 #
MagnumFLX™ <i>Enhanced</i> 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 10µl.		A000400
=		Alpaqua Engineering, LLC 100 Cummings Center, Suite 424A Beverly, MA 01915 www.alpaqua.com	
	LPAQUA Elerating Genomic Discovery TM	Tel: (800) 690-1620 Outside US: +1 (978) 878-9489 Fax: (978) 865-9499	

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