Magnet Plates

Advanced Magnetic Separation Products for 24-, 96-, and 384-well Microplates

ALPAQUA®

Accelerating Genomic Discovery™

Maximize Sample Recovery... Protect Your Equipment

Alpaqua offers a comprehensive line of 24-, 96- and 384-well magnet plates that accommodate a variety of applications, plate densities, sample volumes and viscosities. Our plates have Neodymium-Iron Boron (NdFeB) magnets of various strengths and proprietary spring cushion technology* for maximum bead capture and complete aspiration of supernatants and wash solutions. The entire line is SBS compliant and compatible with virtually all liquid handlers.

Common Applications

- PCR and Sequencing Reaction Cleanup
- Genomic DNA Purification
- NGS Library Construction
- Large Volume Nucleic Acid Purification
- Nucleic Acid Purification from Blood
- DNA Concentration

Plate Features and Benefits

- SBS footprint and optimized for maximum robotic access
- Strong NdFeB magnets allow for highly efficient capture of magnet beads from viscous solutions
- Compatible with common magnetic bead protocols and chemistries for reagent and application flexibility
- Integrated spring cushion technology for complete liquid removal without tip occlusions
- Recommended by leading instrument and reagent suppliers

Why do I need Spring Cushion technology?

Magnet plates with integrated spring cushion technology give way when tips come in contact with a well bottom, thus compensating for physical tolerances between labware and pipettors that can compromise precision aspiration.

Spring Cushion technology:

- Protects instruments & consumables
- Improves pipetting consistency
- Maximizes usage of reagents & samples
- Minimizes tip vacuum & head contamination
- Accelerates automated method development

Alpaqua Magnet Plate Product Line

The most comprehensive line of high-performance magnet plates available.

Magnum FLX® *Enhanced* Universal Plate (PN A000400)

The Magnum FLX contains proprietary, solid-core** ring magnets that enable the fastest separation of all sample volumes as well as low volume nucleic acid elution. These plates are universally compatible with all commonly used 96-well microplates and robotic platforms.

Magnum™ EX Universal Magnet Plate (PN A000380)

The Magnum EX Universal Magnet Plate contains 96 of our strongest ring-shaped Neodymium-Iron-Boron (NdFeB) magnets, unique corner brackets and an elevated platform. It is designed for use with all commonly used skirted and non-skirted, 96-well microplates including flat-bottom, round-bottom, and V-bottom plates.

LE Magnet Plate (PN A000350)

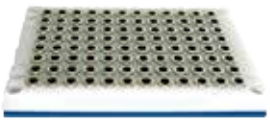
The Low Elution Magnet Plate contains a unique plate docking structure. It is designed for use with a variety of 96-well PCR plates. Please visit our website for the most up-to-date list of compatible PCR plates.

96M Magnum™ Plate (PN A000250)

The 96M Magnum Plate contains 96 of our strongest ring-shaped Neodymium-Iron-Boron (NdFeB) magnets. Use this powerful magnet plate to perform your most challenging separations up to 40% faster. The Magnum Plate is ideal for use with viscous samples like blood or serum.

96S Super Magnet Plate (PN A001322)

The 96S Super Magnet Plate with spring cushion technology contains 96 ring-shaped Neodymium-Iron-Boron (NdFeB) magnets which are stronger than those in the 96R Ring Magnet Plate. Use the 96S Super Magnet Plates for large volume separations up to 1ml, or for faster separations in smaller volumes.



96R Ring Magnet Plate (PN A001219)

The 96R Ring Magnet Plate contains 96 ring-shaped Neodymium-Iron-Boron (NdFeB) magnets. These magnet plates are ideal for separation volumes up to 350ml in 96-well PCR plates (skirted or non-skirted) and round-bottom microplates.

MagPlate 24 (PN A000270)

The MagPlate 24 contains 48 ring-shaped Neodymium-Iron-Boron (NdFeB) magnets in a unique concentric configuration. Common applications include genomic DNA purification, large volume nucleic acid purification and nucleic acid purification from viscous samples such as blood or serum. They are designed for use with 24-well large volume (10ml) Whatman™ UniPlates™.

384 Post Magnet Plate (PN A001222)

The 384 Post Magnet Plate contains 96 Neodymium-Iron-Boron (NdFeB) post magnets. These magnet plates are designed for use with 384-well PCR plates (e.g. ABgene™ Diamond™ 384-well plates).

Additional information about magnet plate specifications and plate compatibility can be found at:
www.alpaqua.com/magplates

Magnet Plate Selection Guide

Plate	Magnet Type	Maximum Working Volume	Minimum Elution Volume	Usage
Magnum FLX® A000400	Solid-core Ring Magnets – N50	2ml	10µl*	Universally compatible with 96 well microplates. Low elution volume for high [DNA]. Fastest separation times. Largest 96-well volumes. High viscosity samples.
Magnum™ EX A000380	Ring – N50	2ml	30µl*	Universally compatible with 96 well microplates Rapid separation. Largest 96-well volumes. High viscosity samples.
LE A000350	Ring – N48	300µl	8µl	Low elution volume for high [DNA]. 96-well PCR plates only.
96M Magnum™ A000250	Ring – N50	2ml	30µl*	Rapid separations. Largest 96-well volumes. High viscosity samples.
96S A001322	Ring – N48	1ml	30µl*	Fast separations. Larger volumes. General needs.
96R A001219	Ring – N38	350µl	30µl*	General needs. Most economical
MagPlate 24 A000270	Ring – N48	10ml	~100µl	Large volume samples.
384-well A001222	Post – N38	39µl	30µl	Highest throughput.

* Certain microplates may require higher elution volumes. For proper elution, beads must be completely covered with buffer.

Ordering Information

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

Product Name	Description	Catalog Number
Magnum FLX®	Enhanced Universal Magnet Plate with High Strength Solid-core Magnets (96-well)	A000400
Magnum™ EX	Universal Magnet Plate with High Strength Ring Magnets (96-well)	A000380
LE Magnet Plate	Low Elution Volume Magnet Plate (96-well)	A000350
96M Magnum™	Powerful Magnet Plate for Rapid Separations (96-well)	A000250
96S Super Magnet Plate	Magnet Plate with increased Strength for Large Volume Separations (96-well)	A001322
96R Ring Magnet Plate	Standard Magnet Plate for General Use (96-well)	A001219
MagPlate 24	24-well Ring-based Magnet Plate	A000270
384 Post Magnet Plate	384-well Magnet Plate	A001222

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