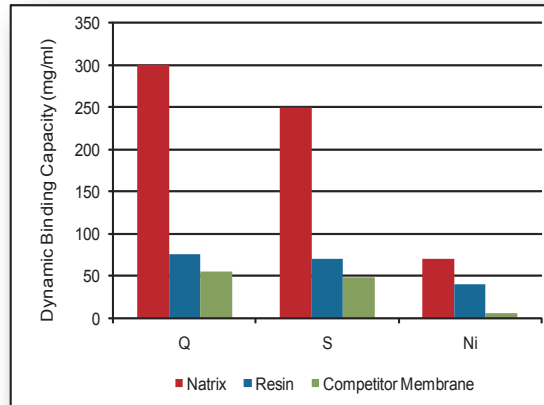




COMPLEX SEPARATIONS MADE SIMPLE

Quantum High Performance Chromatography Products

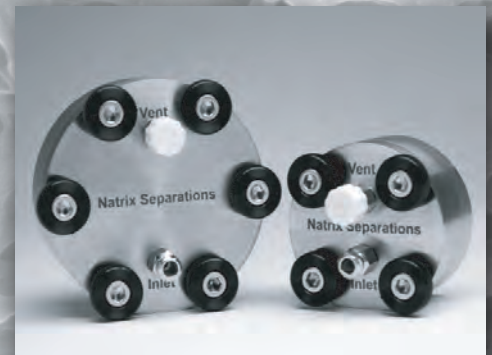
The **Natrix Quantum** line of lab scale chromatography products provides discovery researchers and process development scientists with the widest range of tools for purifying bench-scale quantities of biomolecules, while improving separation efficiency and increasing productivity. The **Quantum** line of products is based on the patented Natrix technology, which combines the high resolution and binding capacity typical of resins with the high throughput and ease of use of traditional membrane formats. The **Quantum** line of products is currently available in ion exchange (Q, S and C) and affinity chemistries (IMAC-Ni).



Natrix Quantum lab scale chromatography products are available in multiple sizes and device formats:

- Syringe columns
- Spin columns
- Cut discs
- Multi-well plates
- Mini cassettes
- Pleated capsules
- Spiral wound elements

Quantum Chromatography products work with a wide range of standard lab equipment including, HPLCs, FPLCs, pumps, vacuums, centrifuges and syringes.



Device Binding Capacity

25mm Syringe Columns

Q > 72 mg BSA @ 10% Breakthrough
 S > 60 mg Lysozyme @ 10% Breakthrough
 C > 20 mg hlgG @ 10% Breakthrough
 IMAC-Ni > 20 mg GFP @ Saturation

Device Binding Capacity

Mini Spin Columns - 0.7 ml

Q > 2.4 mg BSA @ Saturation
 S > 2.0 mg Lysozyme @ Saturation
 C > 0.7 mg hlgG @ Saturation
 IMAC-Ni > 0.7 mg GFP @ Saturation

Device Binding Capacity

Cut Discs

Disc sizes: 18mm, 25mm and 47mm

Q > 300 mg/ml BSA @ 10% Breakthrough
 S > 250 mg/ml Lysozyme @ 10% Breakthrough
 C > 80 mg/ml hlgG @ 10% Breakthrough
 IMAC-Ni > 80 mg/ml GFP @ Saturation

50mm Syringe Columns

Q > 215 mg BSA @ 10% Breakthrough
 S > 180 mg Lysozyme @ 10% Breakthrough
 C > 60 mg hlgG @ 10% Breakthrough
 IMAC-Ni > 60 mg GFP @ Saturation

Maxi Spin Columns - 15 ml

Q > 84 mg BSA @ Saturation
 S > 70 mg Lysozyme @ Saturation
 C > 45 mg hlgG @ Saturation
 IMAC-Ni > 45 mg GFP @ Saturation

For optimum performance, use Natrix Quantum stainless steel membrane chromatography holders



Quantum High Performance Chromatography Products

Are you using resin or membrane chromatography?

Quantum Lab Scale chromatography syringes column, spin column and cut disc products are based on the patented Matrix technology, which combines the high resolution and binding capacity typical of resins with the high throughput and ease of use of traditional membrane formats.

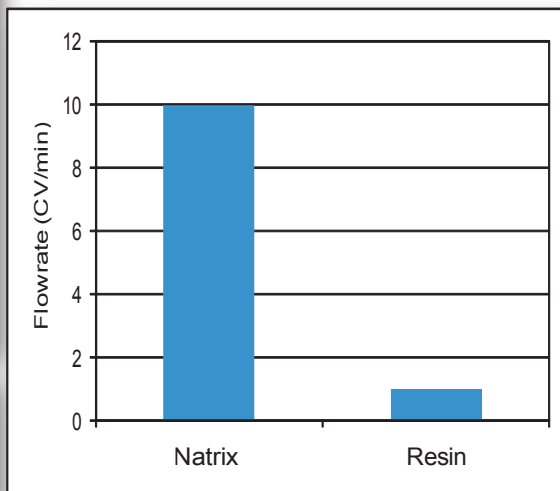
Syringe Columns

The syringe columns have been designed with ultra-low hold-up volume to optimize resolution and produce sharp elution peaks. The 25mm syringe columns have female Luer-lock inlet and male Luer-slip outlet. The 50mm syringe columns have female Luer-lock inlet and outlet, as well as a Luer-lock vent port that maximizes binding and throughput by eliminating trapped air. Quantum syringe columns can be used with an HPLC, FPLC, pump, vacuum or syringe and make high performance chromatographic separation more productive and easier to perform.

Spin Columns

Spin columns can be used with a microcentrifuge or tabletop centrifuge. Each spin column comes with two collection tubes.

Comparative Flow Rate



Cut Discs

Membrane discs can be used with standard membrane disc holders or stirred cells. For optimum performance, use Matrix Quantum stainless steel membrane chromatography columns.

Disc Holders

The Matrix Quantum line of membrane chromatography holders are constructed of 316 stainless steel and have a unique vent design and an ultra-low hold-up volume to optimize resolution and produce sharp elution peaks. They come standard with Luer-lock inlet, outlet and vent port but can be adapted to work with HPLC and FPLC systems with a PEEK fitting kit.

Purify MORE Product in LESS time

Over 4x higher binding capacities and 10x higher flowrates than resins and over 5x the binding capacities of traditional membrane adsorbers

25mm Syringe Columns

	Natrix #
Q Anion 10/pk	NX1000
S Cation 10/pk	NX1001
C Cation 10/pk	NX1004
IMAC-Ni 10/pk	NX1002

50mm Syringe Columns

	Natrix #
Q Anion 5/pk	NX1100
S Cation 5/pk	NX1101
C Cation 5/pk	NX1104
IMAC-Ni 5/pk	NX1102

Mini Spin Columns

	Natrix #
Q Anion 10/pk	NX2000
S Cation 10/pk	NX2001
C Cation 10/pk	NX2004
IMAC-Ni 10/pk	NX2002

Q Anion 25/pk	NX2010
S Cation 25/pk	NX2011
C Cation 25/pk	NX2014
IMAC-Ni 25/pk	NX2012

Maxi Spin Columns

	Natrix #
Q Anion 10/pk	NX2100
S Cation 10/pk	NX2101
C Cation 10/pk	NX2104
IMAC-Ni 10/pk	NX2102

Cut Discs

	Natrix #
Q Anion 18mm 10/pk	NX3000
S Cation 18mm 10/pk	NX3001
C Cation 18mm 10/pk	NX3004
IMAC-Ni 18mm 10/pk	NX3002

Q Anion 25mm 10/pk	NX3100
S Cation 25mm 10/pk	NX3101
C Cation 25mm 10/pk	NX3104
IMAC-Ni 25mm 10/pk	NX3102

Q Anion 47mm 10/pk	NX3200
S Cation 47mm 10/pk	NX3201
C Cation 47mm 10/pk	NX3204
IMAC-Ni 47mm 10/pk	NX3202

Stainless Steel Disc Holders

	Natrix #
25mm 1/pk	NX9000
47mm 1/pk	NX9100

Leverage the benefits of: **PRODUCTIVITY • SPEED • SIMPLICITY**



www.NatrixSeparations.com

**COMPLEX SEPARATIONS
MADE SIMPLE**