

Your Time Is Valuable. How Will You Spend Your Extra Hour?

Passivation is now optional



Robust, reproducible retention and resolution with Agilent Bio MAb columns

Agilent Bio MAb PEEK columns are designed for optimal performance with the Agilent InfinityLab Bio LC Solutions. With a biocompatible or bio-inert sample flow path, there's no longer any need to tolerate metal/iron interactions or hardware absorption of your precious sample. The dense weak cation exchange (WCX) ligand and rigid non-porous polymeric chemistry of the Bio MAb column provides exceptional stability, resolution, and buffer compatibility across your most common buffers such as phosphate, MES and HEPES. Unlike traditional stainless steel hardware ion exchange columns, Bio MAb PEEK columns do not require large amounts of sacrificial sample injections, and with an LC system from the Agilent InfinityLab Bio LC portfolio, you no longer need to perform long system and column passivation to get consistent, accurate results.

With Bio MAb PEEK columns, you are ready to acquire critical charge variant data and move on to the next experiment.

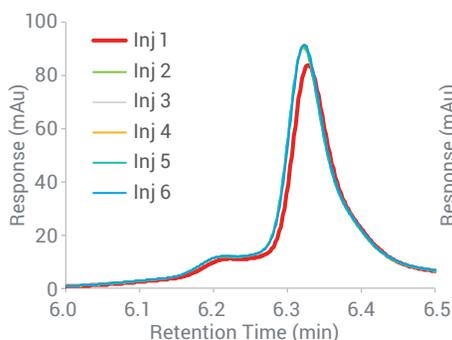


Charge Variant Analysis Solutions

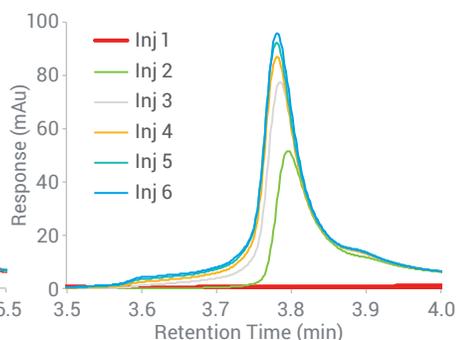
Download application compendium,
access webinars, and more.

[www.agilent.com/chem/
chargevariantanalysis](http://www.agilent.com/chem/chargevariantanalysis)

Agilent Bio MAb PEEK Column



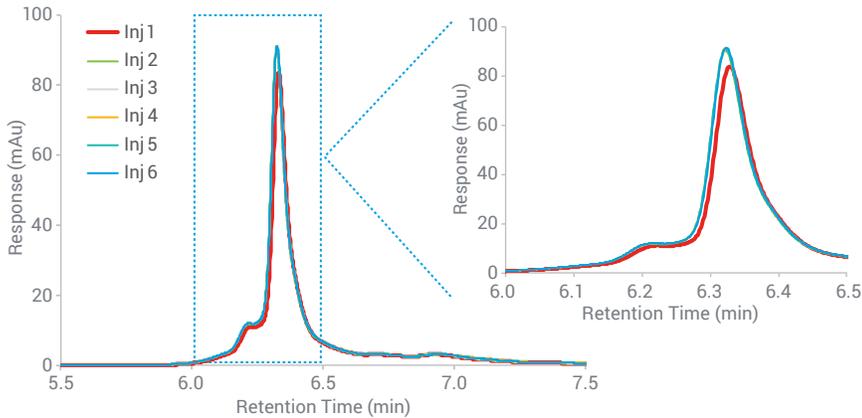
Waters BioResolve SCX mAb Column



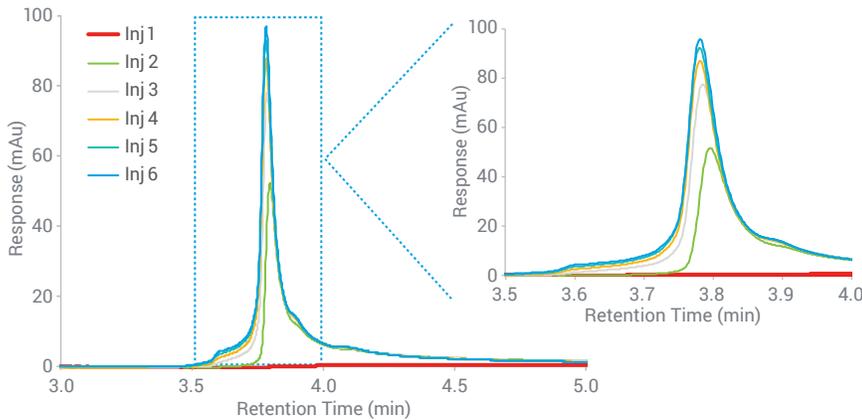
For full chromatograms, see page 2

Agilent outperforms the competition: Reproducible separations from the start

Agilent Bio MAb PEEK Column 2.1 mm x 250 mm



Waters BioResolve SCX mAb Column 2.1 mm x 100 mm



The Agilent Bio MAb and Waters BioResolve SCX mAb columns were run according to manufacturer's recommendations for charge variant analysis. The Agilent Bio MAb demonstrated reproducible separations, while the Waters BioResolve SCX mAb required six 10 minute priming runs with sacrificial sample to achieve passivation for a total of 1 hour in run-time. Each column was run without any initial system passivation or column priming. Columns were equilibrated in Mobile phase A buffer for a total of 10 column volumes followed by 10% Mobile phase B for 10 column volumes prior to operation.

Instrument: Agilent 1290 Infinity II Bio LC System with 1290 Bio High-Speed Pump
Software: Agilent OpenLab CDS
Mobile phase A: 25 mM MES, pH 6.2
Mobile phase B: 25 mM MES, pH 6.2 with 0.5 M NaCl
Gradient: 10–40% Mobile phase B
Sample: CHO mAb IgG1 (5 mg/mL)
Temperature: 25 °C

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This information is subject to change without notice.

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Ordering Information

Description	Part Number
Agilent Bio MAb, NP5, 2.1 x 50 mm, PEEK	5190-2412
Agilent Bio MAb, NP5, 2.1 x 250 mm, PEEK	5190-2411
Agilent Bio MAb, NP5, 4.6 x 50 mm, PEEK	5190-2408
Agilent Bio MAb, NP5, 4.6 x 250 mm, PEEK	5190-2407
Agilent Bio MAb, NP10, 2.1 x 50 mm, PEEK	5190-2420
Agilent Bio MAb, NP10, 2.1 x 250 mm, PEEK	5190-2419
Agilent Bio MAb, NP10, 4.6 x 50 mm, PEEK	5190-2416
Agilent Bio MAb, NP10, 4.6 x 250 mm, PEEK	5190-2415



For more information on Agilent Bio MAb columns:
www.agilent.com/chem/biomab