



The cure for **separation anxiety**



Achieve fast, high-resolution separations of macro bio-molecules in minutes, with NEW Agilent Bio-Monolith HPLC columns.

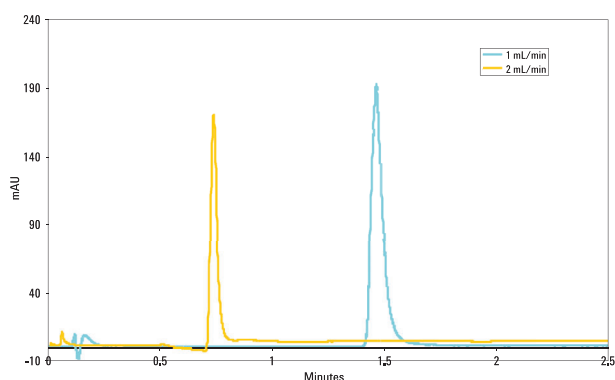
Does your lab suffer from slow separations? Are you tired of waiting 20 to 30 minutes for separations? Many biopharma labs worldwide suffer from separation stress. But now you don't have to.

Introducing Agilent Bio-Monolith HPLC columns.

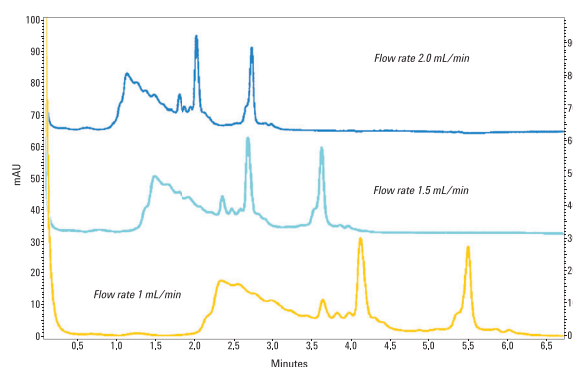
Agilent Bio-Monolith HPLC columns provide high-resolution and rapid separations of large protein antibodies (IgG, IgM), plasmid DNA, viruses, phages and other macro bio-molecules. The product family offers strong cation exchange, strong and weak anion exchange and Protein A phases. Imagine – high-resolution separations of macro bio-molecules in minutes!

What can I expect when using the Bio-Monolith?

- Extremely fast separations, decreased method development time and decreased costs.
- Flow Rate Independent Separations – Since there is no diffusion, no pores and no void volume, transport between mobile and stationary phase is very rapid.
- Monolith disc is 5.2 mm in diameter and 4.95 mm in length (100 μ L column volume) with continuous channels, eliminating diffusion mass transfer.



Separation of IgG on the Agilent Bio-Monolith Protein A at 1 mL/min and 2 mL/min. At 2 mL/min, the separation is complete in less than 1 minute.



Flow Rate Independent separation of a 4-protein standard on the Agilent Bio-Monolith QA column. The chromatographic profile, resolution and peak shape are maintained as the flow rate is increased.

Order your NEW Agilent Bio-Monolith column, visit www.agilent.com/chem/biocolumns1

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Am I a good candidate for the Bio-Monolith?

If your work includes QA/QC, process control or any biopharma application where selectivity, resolution and reproducibility are critical, the Agilent Bio-Monolith is for you. If you are interested in speeding up your macro bio-molecule separations, while achieving high-recovery and high-resolution separations, you will likely benefit from using the Agilent Bio-Monolith columns.

Are Bio-Monolith columns hard to use?

No, Agilent Bio-Monolith HPLC columns are compatible with HPLC and preparative LC systems, including Agilent 1100 and 1200 Series HPLC systems. The columns connect to an HPLC with standard HPLC fittings.

Is there a Bio-Monolith column that's right for my application?

If you would like to quickly separate target bio-molecules from complex mixtures and rapidly evaluate a variety of column phases, buffer systems and gradients, we have a column for you.*

Agilent Bio-Monolith QA Part No. 5069-3635

The Agilent Bio-Monolith QA HPLC column is a strong anion exchange column with a working pH range of 2-13, binding bio-molecules with negative charges.

- HSA Purity
- Adenovirus Process Control
- Monitoring DNA impurity removal
- Monitoring endotoxin removal

Agilent Bio-Monolith DEAE Part No. 5069-3636

The Agilent Bio-Monolith DEAE HPLC is a weak anion exchange column offering increased selectivity over a working pH range of 3-9.

- Process control and QC of bacteriophage purification
- Process control and QC of plasmid DNA purification

Agilent Bio-Monolith S03 Part No. 5069-3637

The Agilent Bio-Monolith S03 HPLC column is a strong cation exchange column with a working pH range of 2-13, binding bio-molecules with positive charges.

- Hemoglobin A1c fast analytics
- Fast and high resolution of proteins and antibodies

Agilent Bio-Monolith Protein A Part No. 5069-3639

The Agilent Bio-Monolith Protein A HPLC column is an affinity column designed for the analytical separation of IgG.

- Quantitative Determination of Human IgG (fermentation titer calculation)

**Possible side effects – Side effects are generally mild and include highly reproducible and highly productive analytical separations of bio-molecules and overall increased lab productivity.*

Order your NEW Agilent Bio-Monolith column and find more product information, visit www.agilent.com/chem/biocolumns1



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Printed in the U.S.A. September 24, 2008.
5989-9780EN



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