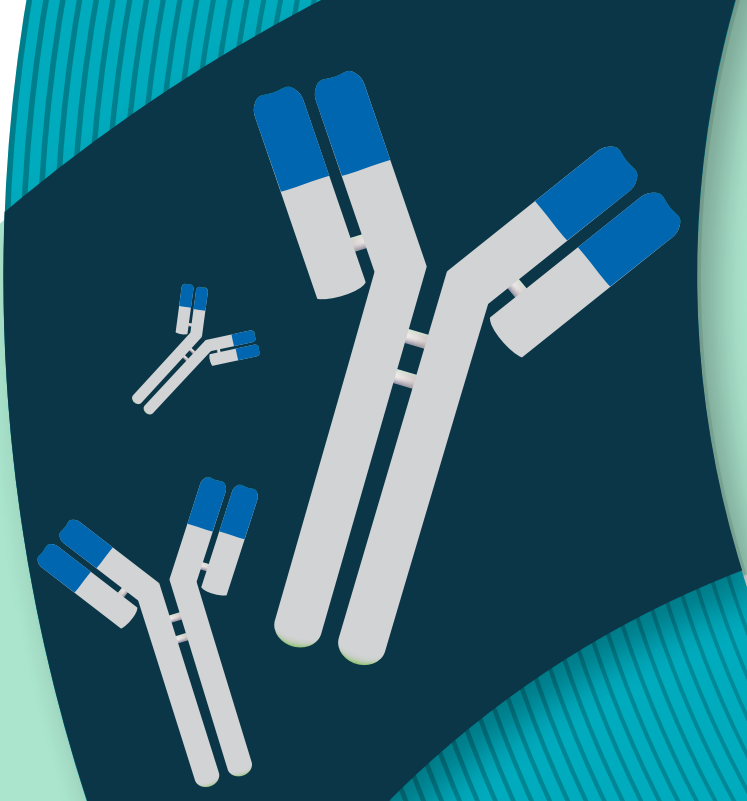
biozen™
by Phenomenex

dSEC



Transition to Biozen dSEC

Our Robust Chromatographic Solution in Aggregate Analysis

- Excellent Recovery
- Separate mAb Fragments and High MW Forms
- Resolve Monomer Species from Aggregate

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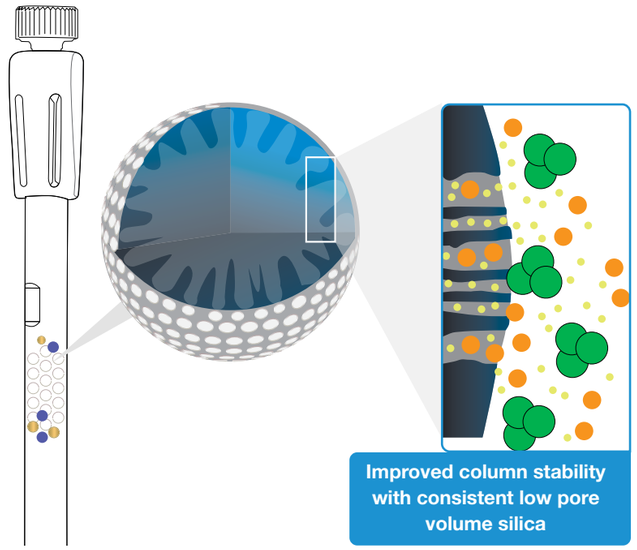
phenomenex™

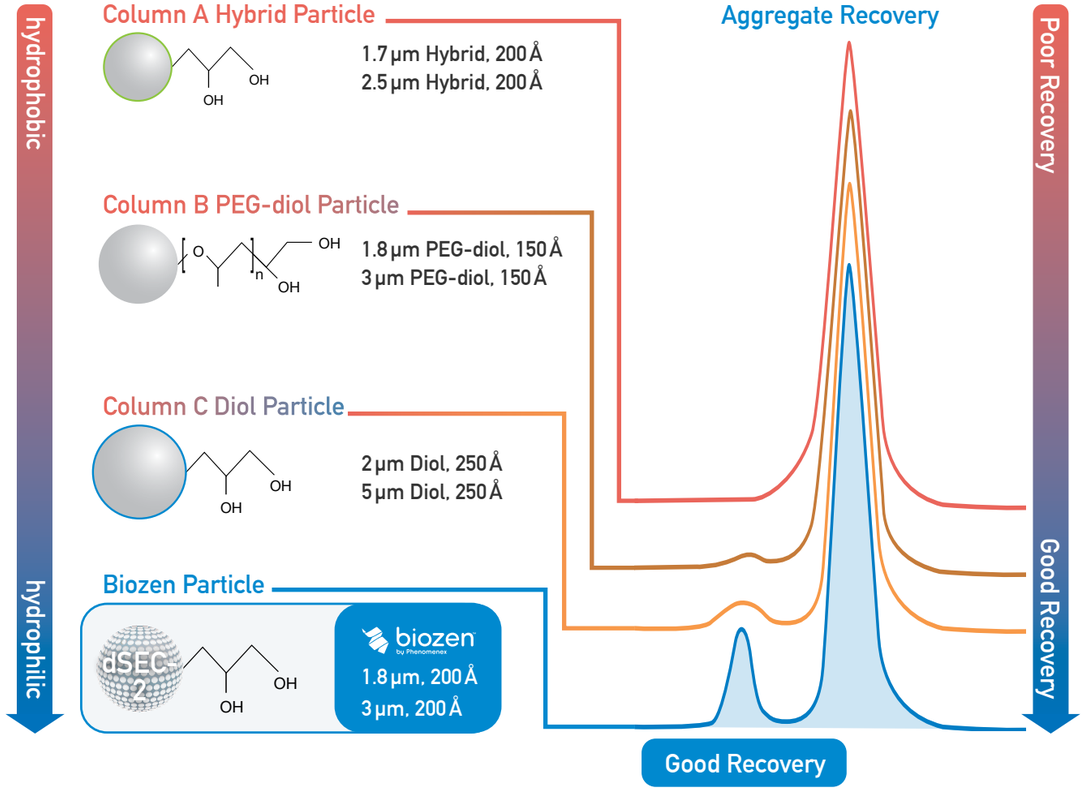
Advanced SEC Silica Particle Technology and Surface Chemistry for Characterizing Biomolecules

Biozen dSEC Proprietary Silica Particle Technology

The Biozen dSEC columns are packed with low pore volume silica coupled with a proprietary hydrophilic diol-type bonded surface chemistry that prevents the silica surface from interacting with protein samples.



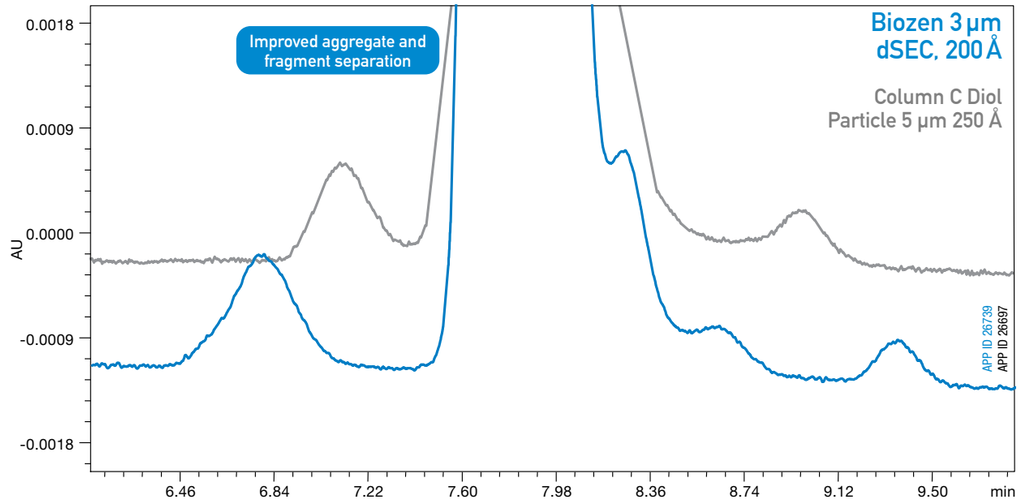
Biozen dSEC Hydrophilic Surface Chemistry Improves Aggregate Analysis



Improved Aggregate Recovery and Separation

Although many silica-based SEC columns use similar stationary phases and nominal pore diameters, pore structure and surface chemistry vary significantly. Biozen dSEC-2 columns provide the optimum pore volume and surface chemistry that has been finely tuned for monoclonal antibodies and related formats.

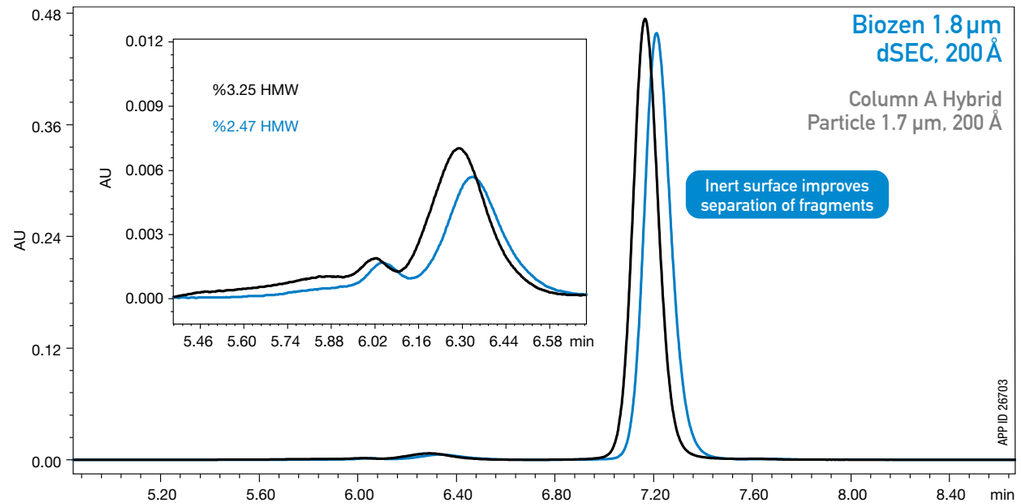
Trastuzumab



Conditions for both columns:

Columns: Biozen™ 3 µm dSEC-2, 200 Å Column C 5 µm 250 Å
Dimension: 300 x 7.8 mm
Part No.: 00H-4788-K0 (Biozen)
Mobile Phase: 50 mM Sodium Phosphate + 300 mM NaCl, pH 6.8
Flow Rate: 1.0 mL/min
Injection Volume: 10 µL
Temperature: 25 °C
Detector: UV @ 280 nm
Sample: Trastuzumab, 10 mg/mL

NIST mAb



Conditions for both columns:

Columns: Biozen 1.8 µm dSEC-2, 200 Å Column A 1.7 µm, 200 Å
Dimension: 300 x 4.6 mm
Part No.: 00H-4787-E0 (Biozen)
Mobile Phase: 200 Potassium Phosphate + 250 mM Potassium Chloride pH 6.2
Flow Rate: 0.35 mL/min
Injection Volume: 3 µL
Temperature: 25 °C
Detector: UV @ 280 nm
Sample: NIST mAb, 10 mg/mL

Comparative separations may not be representative of all applications.

Ordering Information

Biozen™ Products - Powered by Biocompatible Hardware

Biozen Columns (mm)								Biocompatible Guard Cartridges		
	50 x 2.1	100 x 2.1	150 x 2.1	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	for 2.1 mm	for 4.6 mm	Holder
								/3pk		ea
Biozen 2.6 µm Glycan	00B-4773-AN	00D-4773-AN	00F-4773-AN	—	—	—	—	AJ0-9800	—	AJ0-9000
								/3pk		ea
Biozen 1.6 µm Peptide PS-C18	00B-4770-AN	00D-4770-AN	00F-4770-AN	—	—	—	—	AJ0-9803	—	AJ0-9000
								/10pk	/10pk	ea
Biozen 3 µm Peptide PS-C18	00B-4771-AN	—	00F-4771-AN	00B-4771-E0	—	00F-4771-E0	—	AJ0-7605	AJ0-7606	KJ0-4282
								/3pk		ea
Biozen 1.7 µm Peptide XB-C18	00B-4774-AN	00D-4774-AN	00F-4774-AN	—	—	—	—	AJ0-9806	—	AJ0-9000
								/3pk	/3pk	ea
Biozen 2.6 µm Peptide XB-C18	00B-4768-AN	00D-4768-AN	00F-4768-AN	00B-4768-E0	—	00F-4768-E0	—	AJ0-9806	AJ0-9808	AJ0-9000
								/3pk	/3pk	ea
Biozen 2.6 µm WidePore C4	00B-4786-AN	00D-4786-AN	00F-4786-AN	00B-4786-E0	00D-4786-E0	00F-4786-E0	00G-4786-E0	AJ0-9816	AJ0-9818	AJ0-9000
								/3pk	/3pk	ea
Biozen 3.6 µm Intact XB-C8	00B-4766-AN	00D-4766-AN	00F-4766-AN	00B-4766-E0	—	00F-4766-E0	—	AJ0-9812	AJ0-9814	AJ0-9000

	50 x 2.1	150 x 2.1	150 x 4.6	300 x 4.6	150 x 7.8	300 x 7.8	for 2.1 mm	for 4.6 mm	Holder
							/3pk	/3pk	ea
Biozen 3 µm dSEC-2	—	—	00F-4788-E0	00H-4788-E0	00F-4788-K0	00H-4788-K0	AJ0-9852	AJ0-9853	AJ0-9000
Biozen 1.8 µm dSEC-2	00B-4787-AN	00F-4787-AN	00F-4787-E0	00H-4787-E0	—	—	AJ0-9852	AJ0-9853	AJ0-9000

NEW

	30 x 4.6	40 x 7.8
Biozen 3 µm dSEC-2 Guard	03A-4788-E0	03Q-4788-K0

	50 x2.1	100 x 2.1	150 x 2.1	250 x 2.1	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	for 4.6 mm	Holder
									/10pk	ea
Biozen 6 µm WCX	00B-4777-AN	00D-4777-AN	00F-4777-AN	00G-4777-AN	00B-4777-E0	00D-4777-E0	00F-4777-E0	00G-4777-E0	AJ0-9400	KJ0-4282

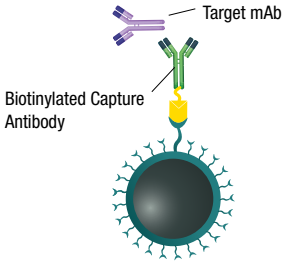
	50 x2.1	100 x 2.1	150 x 2.1	50 x 4.6	100 x 4.6	150 x 4.6	for 2.1 mm	for 4.6 mm	Holder
							/3pk	/3pk	ea
Biozen 1.7 µm Oligo	00B-4791-AN	00D-4791-AN	00F-4791-AN	—	—	—	AJ0-9820	AJ0-9822	KJ0-9000
Biozen 2.6 µm Oligo	00B-4790-AN	00D-4790-AN	00F-4790-AN	00B-4790-E0	00D-4790-E0	00F-4790-E0	AJ0-9820	AJ0-9822	KJ0-9000

Sample Preparation

Biozen Solid Phase Extraction	Format	Sorbent Mass	Part Number	Unit
Biozen N-Glycan Clean-Up	Microelution 96-Well Plate	5 mg/well	8M-S009-NGA	1/box

Biozen MagBeads Streptavidin Coated

Formats	Part No.	Concentration	Bead Size
25 mg (≈50 samples) **50 mg (≈100 samples)** **500 mg (≈1000 samples)**	KS0-9531 KS0-9532 KS0-9533	20 mg/mL	1.0 µm



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