

Agilent Bio SEC-3

- Agilent Bio SEC-3 HPLC columns for protein analysis with MS detection
- Compatibility with denaturing organic/aqueous mobile phases used for SEC-MS
- Excellent stability with both high and low-salt conditions
- Scalability from analytical to preparative workflows

| DESCRIPTION | 100Å | 150Å | 300Å |
|---------------------------|-----------|-----------|-----------|
| ANALYTICAL COLUMNS | | | |
| 7.8 x 300 mm, 3 µm | 5190-2501 | 5190-2506 | 5190-2511 |
| 7.8 x 150 mm, 3 µm | 5190-2502 | 5190-2507 | 5190-2512 |
| 4.6 x 300 mm, 3 µm | 5190-2503 | 5190-2508 | 5190-2513 |
| 4.6 x 150 mm, 3 µm | 5190-2504 | 5190-2509 | 5190-2514 |
| ANALYTICAL GUARDS | | | |
| 7.8 x 50 mm, 3 µm | 5190-2505 | 5190-2510 | 5190-2515 |
| 4.6 x 50 mm, 3 µm | 5190-6846 | 5190-6847 | 5190-6848 |
| PREP COLUMNS | | | |
| 21.2 x 300 mm, 3 µm | 5190-6850 | 5190-6851 | 5190-6852 |
| PREP GUARDS | | | |
| 21.2 x 50 mm, 3 µm | 5190-6854 | 5190-6855 | 5190-6856 |

| AGILENT Bio SEC-3 SPECIFICATIONS | | |
|---|--------------------|-----------------------|
| PORE SIZE (Å) | PARTICLE SIZE (µm) | PROTEIN MW RANGE (Da) |
| 100 | 3 | 100 – 100,000 |
| 150 | 3 | 500 – 150,000 |
| 300 | 3 | 5,000 – 1,250,000 |
| pH RANGE | | |
| 2 – 8.5 | | |
| FLOW RATE | | |
| 0.1 – 1.25 (7.8 mm ID) mL/min; 0.1 – 0.4 (4.6 mm ID) mL/min | | |
| TYPICAL OPERATING PRESSURE | | |
| 103 bar (1500 PSI) | | |

Agilent Bio SEC-5

- Agilent Bio SEC-5 HPLC columns are for large biomolecules and samples with multiple molecular weight components
- Exceptional resolution for large molecules
- High stability and efficiency due to a proprietary neutral hydrophilic layer
- Improved peak capacity and resolution due to specially designed packing that increases pore volume
- Rugged performance—Outstanding reproducibility and column lifetime
- Excellent stability, even under high-pH, high-salt, and low-salt conditions
- Flexible method development compatible with most aqueous buffers
- Broad applicability—Up to 2000Å pore size for vaccines and high molecular weight biomolecules

| DESCRIPTION | 100Å | 150Å | 300Å | 500Å | 1000Å | 2000Å |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| ANALYTICAL COLUMNS | | | | | | |
| 7.8 x 300 mm, 5 µm | 5190-2516 | 5190-2521 | 5190-2526 | 5190-2531 | 5190-2536 | 5190-2541 |
| 7.8 x 150 mm, 5 µm | 5190-2517 | 5190-2522 | 5190-2527 | 5190-2532 | 5190-2537 | 5190-2542 |
| 4.6 x 300 mm, 5 µm | 5190-2518 | 5190-2523 | 5190-2528 | 5190-2533 | 5190-2538 | 5190-2543 |
| 4.6 x 150 mm, 5 µm | 5190-2519 | 5190-2524 | 5190-2529 | 5190-2534 | 5190-2539 | 5190-2544 |
| ANALYTICAL GUARDS | | | | | | |
| 7.8 x 50 mm, 5 µm | 5190-2520 | 5190-2525 | 5190-2530 | 5190-2535 | 5190-2540 | 5190-2545 |
| 4.6 x 50 mm, 5 µm | 5190-6857 | 5190-6858 | 5190-6859 | 5190-6860 | 5190-6861 | 5190-6862 |
| PREP COLUMNS | | | | | | |
| 21.2 x 300 mm, 5 µm | 5190-6863 | 5190-6864 | 5190-6865 | 5190-6866 | 5190-6867 | 5190-6868 |
| PREP GUARDS | | | | | | |
| 21.2 x 50 mm, 5 µm | 5190-6869 | 5190-6870 | 5190-6871 | 5190-6872 | 5190-6873 | 5190-6874 |

| AGILENT Bio SEC-5 SPECIFICATIONS | | |
|---|--------------------|-----------------------|
| PORE SIZE (Å) | PARTICLE SIZE (µm) | PROTEIN MW RANGE (Da) |
| 100 | 5 | 100 – 100,000 |
| 150 | 5 | 500 – 150,000 |
| 300 | 5 | 5,000 – 1,250,000 |
| 500 | 5 | 15,000 – 2,000,000 |
| 1000 | 5 | 50,000 – 7,500,000 |
| 2000 | 5 | >10,000,000 |
| pH RANGE | | |
| 2 – 8.5 | | |
| FLOW RATE | | |
| 0.1 – 1.25 (7.8 mm ID) mL/min; 0.1 – 0.4 (4.6 mm ID) mL/min | | |
| TYPICAL OPERATING PRESSURE | | |
| 103 bar (1500 PSI) | | |