HALO



Rapid Separation of Reduced Trastuzumab on HALO 1000 Å Diphenyl



TEST CONDITIONS:

Column: HALO 1000 Å Diphenyl, 2.7μm, 1.5 x 50 mm Part Number: 9271X-426 Mobile Phase A: water/0.1% formic acid Mobile Phase B: acetonitrile/0.1% formic acid Gradient: 29 - 38 %B in 1 min Flow Rate: 0.4 mL/min Pressure: 160 bar Temperature: 60 °C Detection: 280 nm Injection Volume: 0.5 μL of 1 mg/mL reduced trastuzumab Sample Solvent: 6 M guanidine HCl/50 mM ammonium bicarbonate/10 mM DTT

Data Rate: 100 Hz Response Time: 0.025 sec Flow Cell: 1 µL LC System: Shimadzu Nexera X2

PEAK IDENTITIES

- 1. Light Chain
- 2. Heavy Chain

A rapid separation of reduced trastuzumab is performed on a HALO 1000 Å Diphenyl, 2.7 μ m column in 1.5 x 50 mm. The column is run at twice the usual flow rate to demonstrate how the Fused-Core[®] particle design enables fast separation while maintaining the resolution of the separation.



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