HALO: | Fused-Core® Particle Technology

Application Note: 104-PR





PEAK IDENTITIES:

- 1. Ribonuclease A-13.7 KDa
- 2. Cytochrome c---12.4 KDa
- 3. Lysozyme-----14.3 KDa
- 4. α-Lactalbumin--14.2 KDa

Draft #2, 10/31/13

TEST CONDITIONS: Column: 4.6 x 150 mm, HALO-5 ES-C18, 160Å pore, 5 µm Part Number: 95124-702 Column: Totally porous, 4.6 x 150 mm C18, 100Å pore, 3 µm Starting Mobile Phase: 72/28: A/B A= Water with 0.1% trifluoroacetic acid B= Acetonitrile with 0.1% trifluoroacetic acid Gradient: 28% B to 55% B in 5 minutes Flow Rate: 1.5 mL/min. Pressure on HALO-5 column: 95 bar Pressure on TP 3 µm column: 170 bar Temperature: 60°C Detection: UV 280 nm, PDA Injection Volume: 15 µL Sample Solvent: Mobile phase A Response Time: 0.1 sec. Flow Cell: 2 µL micro cell LC System: Agilent 1200 SL

These chromatograms show the separation of four low MW proteins on HALO-5 Peptide ES-C18 column vs. a totally porous, 3 µm C18 column. The separations are similar with the benefit of the HALO-5 column having lower back pressure and similar resolution. The HALO-5 ES-C18 phase is made with sterically hindered silanes during manufacture, enhancing the stability-even at temperatures up to 90 deg. C. The stability of the totally porous C18 column was not evaluated.

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FOR MORE INFORMATION OR TO PLACE AN ORDER, CONTACT:

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