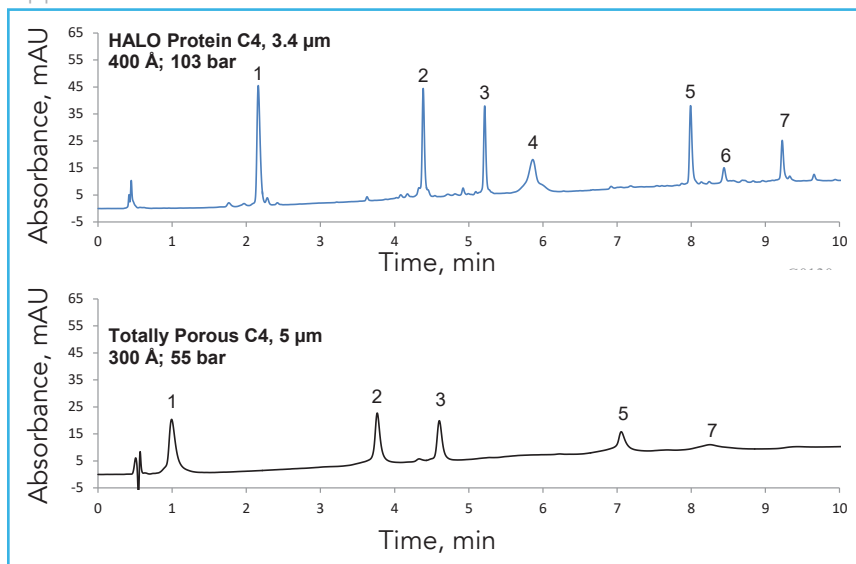




Improved Separations with HALO 400 Å C4 Compared to Totally Porous C4

Application Note 141-PR



PEAK IDENTITIES:

1. Ribonuclease A (13.7 kDa)
2. Cytochrome C (12.4 kDa)
3. Lysozyme (14.3 kDa)
4. Holotransferrin (77 kDa)
5. Apomyoglobin (17 kDa)
6. Catalase (tetramer of ~60 kDa each)
7. Enolase (46.7 kDa)

Sharper, taller peaks are observed using the HALO 400 Å C4 column compared to a conventional totally porous C4 column. Additionally, the HALO 400 Å C4 column provides improved recoveries for holotransferrin, apomyoglobin, catalase, and enolase.

TEST CONDITIONS:

Columns:

- 1) HALO 400 Å C4, 3.4 μm, 2.1 x 100 mm
Part Number: 93412-614
- 2) Totally Porous C4, 5 μm, 2.1 x 100 mm

Mobile Phase:

- A: Water/0.1% TFA
B: Acetonitrile/0.1% TFA

Gradient: 25% B to 52% B in 10 min

Flow Rate: 0.5 mL/min

Initial Pressure: See chart

Temperature: 60 °C

Detection: UV 215 nm, PDA

Injection Volume: 1.0 μL

Sample Solvent: Mobile phase A

Response Time: 1.0 sec

Data Rate: 5 Hz

Flow Cell: 2.0 μL micro cell

LC System: Agilent 1200 SL

