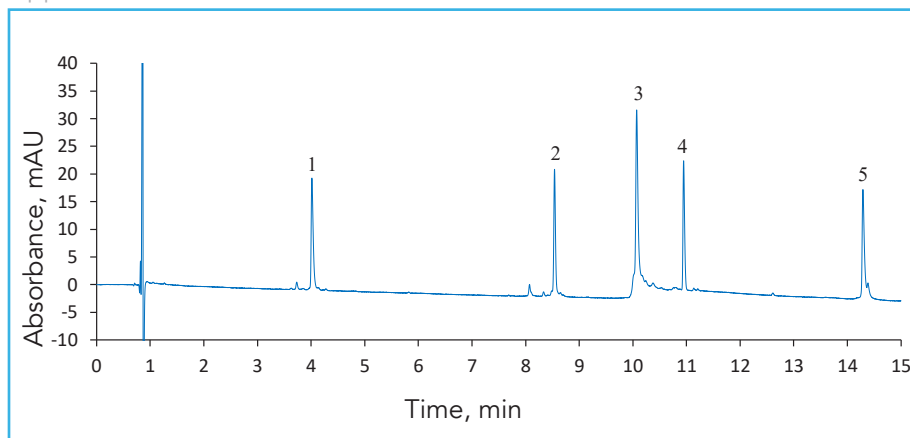




Protein Separation on HALO 1000 Å ES-C18, 2.7 μm

Application Note 167-PR



PEAK IDENTITIES:

- | | |
|-------------------|------------------|
| 1. Ribonuclease A | 13.7 kDa |
| 2. Lysozyme | 14.3 kDa |
| 3. SigmaMAb | ~150 kDa |
| 4. α-Lactalbumin | 14.2 kDa |
| 5. Enolase | 46.0 kDa monomer |

This mix of proteins with a wide range of molecular weights is separated with high efficiency on a HALO 1000 Å ES-C18 column. With improved access to the particle surface, the 1000 Å pore size enables large biomolecule analysis with excellent peak shape and high resolution.

TEST CONDITIONS:

Column: HALO 1000 Å ES-C18, 2.7 μm,
2.1 x 150 mm

Part Number: 92712-702

Mobile Phase:

A: Water, 0.1% TFA

B: 80/20 ACN/water, 0.085% TFA

Gradient:

Time (min)	% B
0.0	27
15.0	60

Flow Rate: 0.4 mL/min

Pressure: 268 bar

Temperature: 60 °C

Detection: UV 280 nm, PDA

Injection Volume: 2.0 μL

Sample Solvent: Water/0.1% TFA

Response Time: 0.05 sec

Data Rate: 12.5 Hz

Flow Cell: 1.0 μL

LC System: Shimadzu Nexera X2

