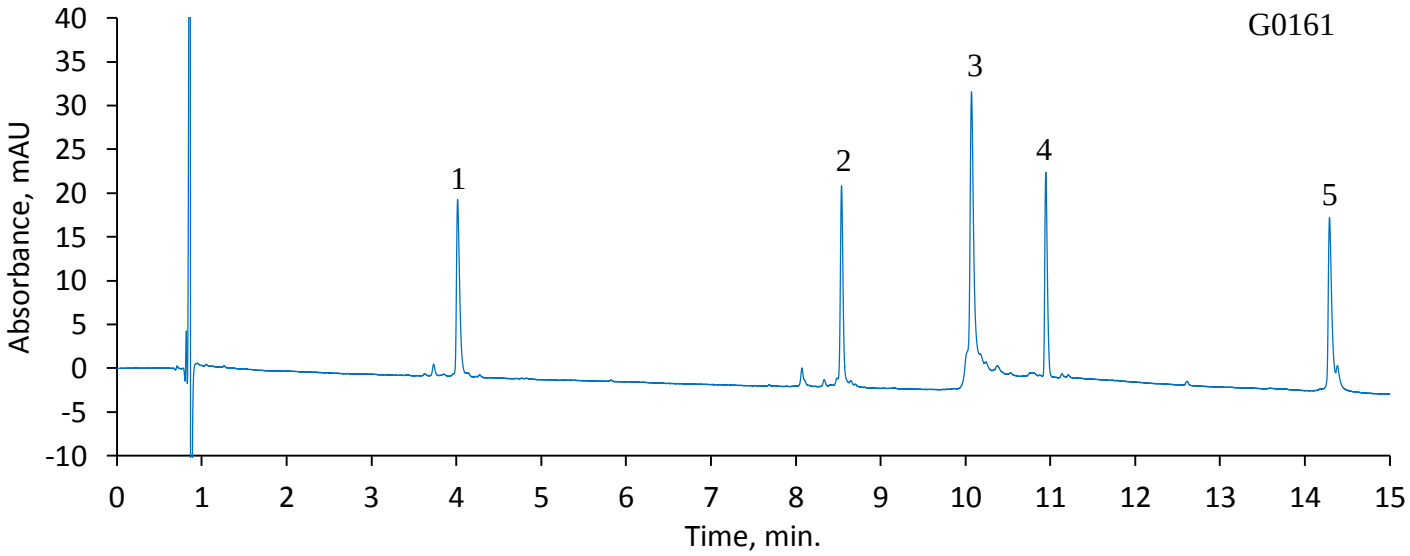
Application Note: 167-PR

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



TEST CONDITIONS:

Column: HALO 1000Å ES-C18, 2.7µm, 2.1 x 150 mm
Part Number: 92712-702
A= Water, 0.1% TFA
B= 80/20 ACN/ Water, 0.085% TFA
Gradient:

Time (min.)	%B
0.00	27
15.00	60

Flow Rate: 0.4 mL/min.
Pressure: 268 bar
Temperature: 60 °C
Injection Volume: 2 µL
Sample Solvent: Water/0.1% TFA
Detection: UV 280 nm, PDA
Data Rate: 12.5 Hz
Response Time: 0.05 sec.
Flow Cell: 1 µL
LC System: Shimadzu Nexera X2

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 kDa monomer

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

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