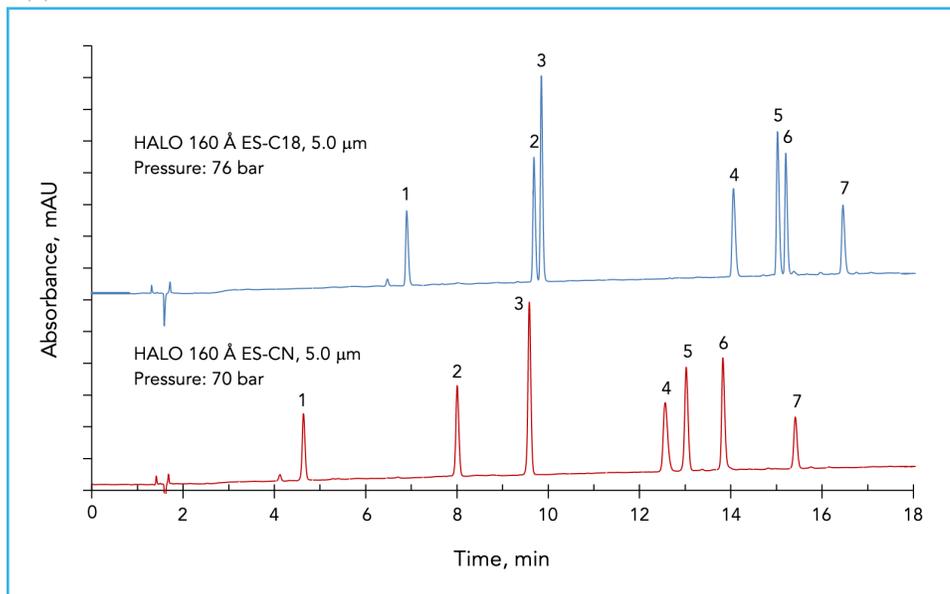




Separation of Seven Peptides on HALO® 5 µm 160 Å ES-C18 and ES-CN Phases

Application Note 102-PE



PEAK IDENTITIES:

1. Asp-Phe
2. Angiotensin (1-7) amide
3. Tyr-Tyr-Tyr
4. Bradykinin
5. Leu-Enk
6. Angiotensin II
7. Neurotensin

HALO® 5 µm, 160 Å pore, HPLC column phases are suitable for the separation of molecules up to about 20 kDa in size. Shown here are two different bonded phases that allow for different selectivities that can enhance separation capabilities. These two C18 and cyano bonded phases are made using sterically hindered silanes for increased stability at elevated temperatures and low pH.

TEST CONDITIONS:

Columns:

1) HALO 160 Å ES-C18, 5 µm, 4.6 x 150 mm

Part Number: 95124-702

2) HALO 160 Å ES-CN, 5 µm, 4.6 x 150 mm

Part Number: 95124-704

Mobile Phase:

A: 0.1% trifluoroacetic acid in water

B: 0.1% trifluoroacetic acid in acetonitrile

Gradient: 5% B to 50% B in 30 min

Flow Rate: 1.0 mL/min

Initial Pressure: See chart

Temperature: 40 °C

Detection: UV 215 nm, VWD

Injection Volume: 10 µL

Sample Solvent: Mobile phase A

Response Time: 0.12 sec

Flow Cell: 5.0 µL semi-micro

LC System: Agilent 1100 Quaternary

