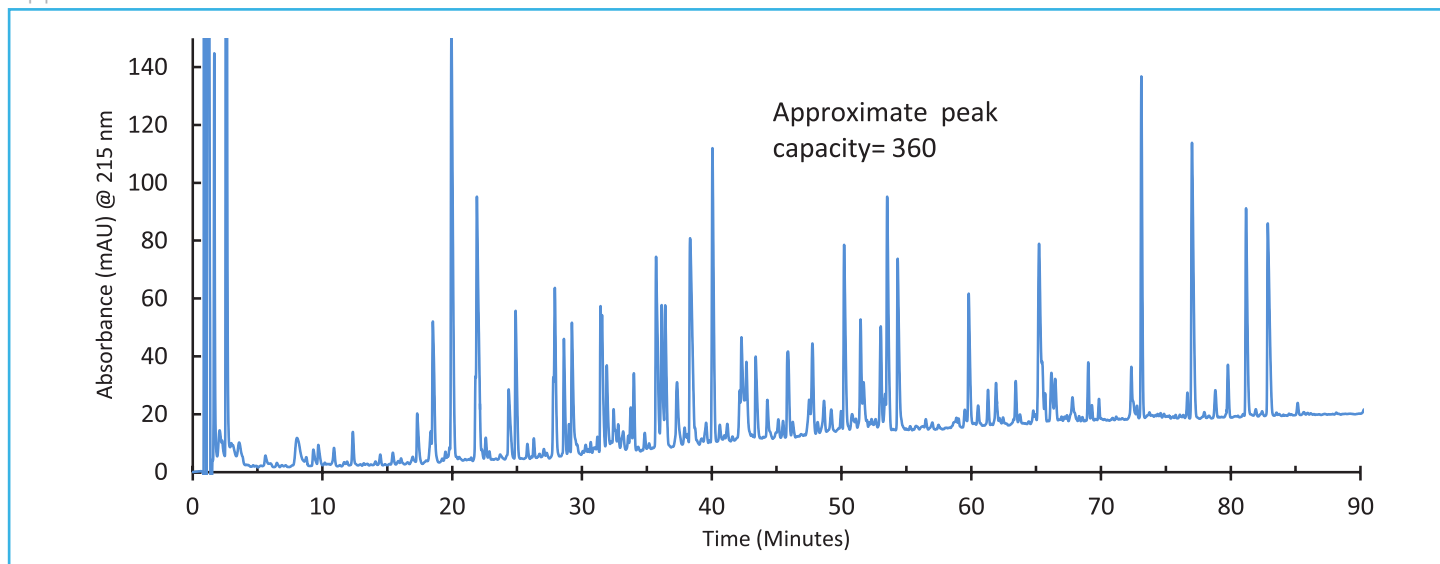




Analysis of Apotransferrin Tryptic Digest on HALO 160 Å ES-C18

Application Note 100-PE



This separation shows the separation of the products from a tryptic digest of apotransferrin on coupled 2.7 μm HALO 160 Å ES-C18 columns in less than 90 minutes. Two columns were coupled to increase the peak capacity.

The use of elevated temperature improves the peak sharpness and aids in resolution. The excellent stability of this phase at elevated temperature is a result of the use of a sterically protected silane in the stationary phase synthesis.

TEST CONDITIONS:

Column: 2-Coupled HALO 160 Å ES-C18, 2.7 μm ,
2.1 x 100 mm

Part Number: 92122-602

Mobile Phase: 95/5 - A/B (start)

A: Water with 0.1% trifluoroacetic acid (TFA)

B: 80/20 water/acetonitrile with 0.1% TFA

Gradient: 5% B to 60% B in 120 min

Flow Rate: 0.5 mL/min

Max. Pressure: 380 bar

Temperature: 60 °C

Detection: UV 215 nm, PDA

Injection Volume: 35 μL

Sample Solvent: Mobile phase A

Response Time: 0.1 sec

Data Rate: 40 Hz

Flow Cell: 2.0 μL micro cell

LC System: Agilent 1200 SL

