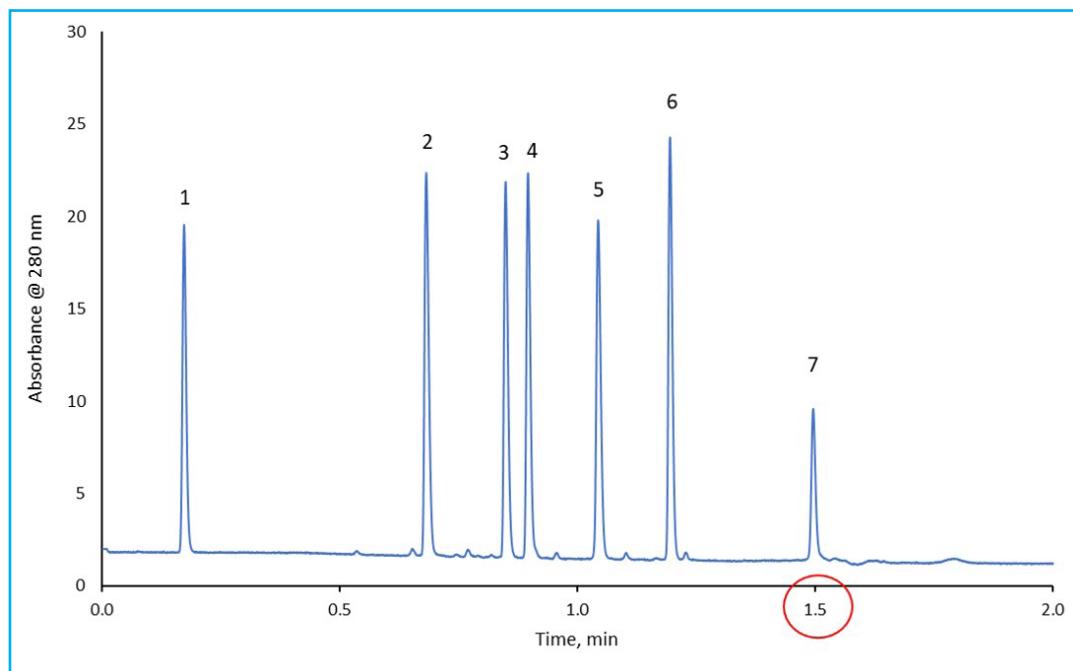




### HALO 160 Å PCS C18 Rapid Peptide Separation

351



#### TEST CONDITIONS:

Column: HALO 160 Å PCS C18 , 2.7 µm, 2.1 x 50 mm

Part Number: 92112-417

Mobile Phase A: Water/ 0.1% Formic Acid

Mobile Phase B: Acetonitrile/ 0.1% Formic Acid

Gradient:	Time	%B
	0.0	0
	1.5	35
	2.0	35

Flow Rate: 1.0 mL/min

Pressure: 360 bar

Temperature: 30 °C

Injection Volume: 1.0 µL (0.3 µg/µL)

Wavelength: PDA, 280 nm

Flow Cell: 1 µL

Data Rate: 100 Hz

Response Time: 0.025 sec.

LC System: Shimadzu Nexera X2

#### PEAK IDENTITIES

1. Uracil
2. S1Y Sequence: RGAGGLYLGK-NH2
3. S2Y Sequence: Ac-RGGGGLYLGK-NH2
4. S3Y Sequence: Ac-RGAGGLYLGK-NH2
5. S4Y2 Sequence: Ac-RGVGYLGLGK-NH2
6. S5Y Sequence: Ac-RGVVGLYLGK-NH2
7. Insulin Chain B Oxidized

A separation of peptides is performed on a HALO 160 Å PCS C18 column showing excellent peak shape under formic acid conditions. Due to the superficially porous particle technology flow rates are able to be increased while maintaining column efficiencies allowing for fast, high throughput separations.

