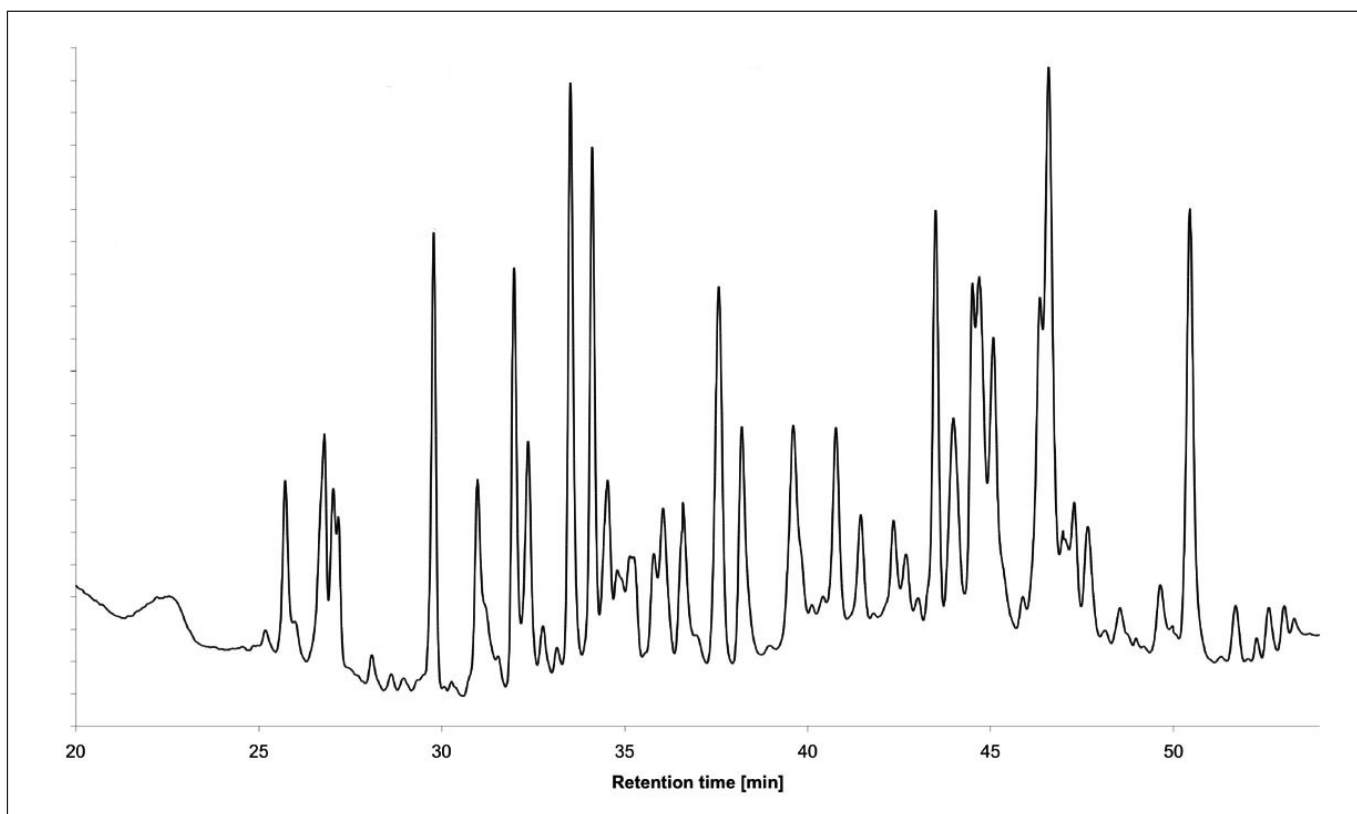


## On-column tryptic digest of bovine serum albumin

ProteCol® C18 G

Column part number	2C184-03M30K		
Column	ProteCol C18 G, 3 µm, 300 Å, 100 mm x 300 µm	Flow rate	4.0 µL/min
Sample	1 µL bovine serum albumin digest	Gradient	0 to 60 min: 0% to 100% B
Mobile phase A	0.1% Trifluoroacetic acid	Column temperature	20°C
Mobile phase B	0.1% Trifluoroacetic acid in 80% Acetonitrile	Detection	LC-UV



The reversed phase analysis of a tryptic digest of a sample is a typical way to characterise the protein composition. To perform the digest in-line with trypsin being immobilised on the surface of a pre-column has a number of advantages. There is no sample loss, there is minimal dilution of the sample and there is no autodigestion of trypsin or sample contamination with trypsin. Furthermore, it is possible to perform the digest in a much shorter time.

In this application trypsin was immobilised onto a ProteCol-CMD column. Bovine serum albumin was injected into the column and the flow switched off. The column was incubated at 37°C for 2 hours and the eluent was collected. 1 µL of the digest was injected onto a ProteCol C18 G column and analyzed using a 60 minute gradient.

For more information visit [www.trajanscimed.com](http://www.trajanscimed.com) or contact [techsupport@trajanscimed.com](mailto:techsupport@trajanscimed.com)