



Synthetic Peptide Production Confirmed By HPLC

Why Use a Cogent HPS™ C18 Column for Peptide Mapping?

Cogent HPS™ C18 columns are perfectly suited for peptide analysis. The pore diameter, the exhaustive end capping and the low metal content of the silica make these columns an excellent choice for Peptide Mapping after digestion with trypsin. Unique selectivity and low cost make these columns the choice of many protein laboratories worldwide when reproducibility and reliability are mandatory.

Method Conditions

3 Different samples from the same peptide batch was digested using trypsin and injected onto the HPLC column.

Column: Cogent HPS™ C18
250mm x 4.6mm ID

Cat. No.: 75018-25P

Injection: 20µl

Flow Rate: 1ml/minute

Detection: UV PDA; 254nm

Temperature: 30°C

Mobile Phase: A: Water (0.1%TFA)
B: Acetonitrile (0.1% TFA)

Gradient: 100% A 20 Minutes
40% A 20.1 Minutes
100% A

Discussion

An in-process method for qualifying a synthetic peptide is shown with 3 samples injected on the same column. The reproducibility from run to run on the samples is excellent giving the user a high level of confidence. The process and method was further confirmed by coupling the HPLC separation directory to Mass Spec. The mass data had a high degree of accuracy and reproducibility; verifying the peptide.

Want More Information?

Call us or visit our website: www.mtc-usa.com. Use the webcode: HPS-Peptides in our search engine box for further information. No need to register or sign in!

Webcode: **HPS-Peptides**

Cat. No.	Description
75018-25P	Cogent HPS™ C18 HPLC Column, 4.6mm ID x 250mm Long, 5µm Spherical Particles, 120A Pore Size, Type-B High Purity Silica, Standard End Fittings. <small>*Other Size Columns are available, please call or visit our website for options.</small>



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