

Analysis of the Tryptic Digest of Ovalbumin

Using a ProteCol™ capillary LC column

The reversed phase analysis of a tryptic digest of a sample is a typical way to characterise the protein composition. In proteomic research the digest of the total protein content of a tissue sample can lead to very complex samples.

Ovalbumin (albumin from hen egg white) is a relatively medium size molecule of molecular weight 44,287Da. A tryptic digest of a relatively inexpensive protein such as

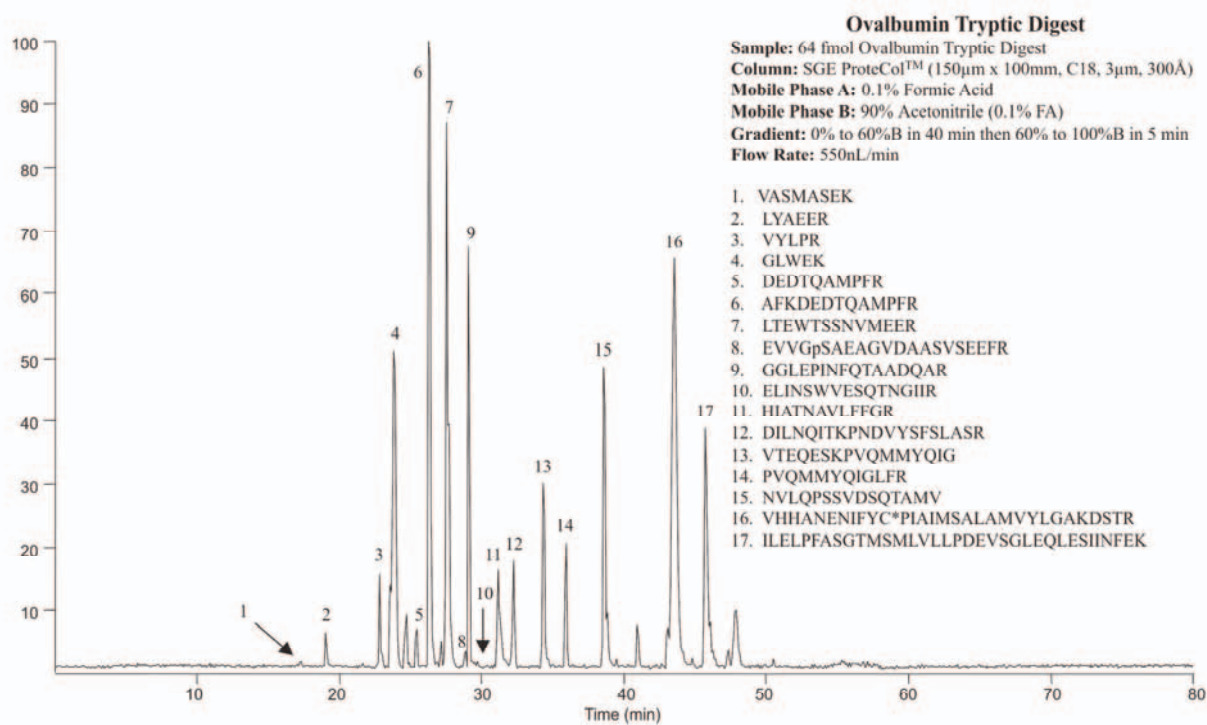
Ovalbumin can be used to validate system suitability and column performance. It can also be used for calibrating system components or as a demonstration of principle.

Ovalbumin also has a phosphorylation site and a glycosylation site, which makes it a good model for the analysis of post-translational modifications.

Ordering Information:

ProteCol Column C18 300 um ID x 100 mm 300 angstroms: 2204254

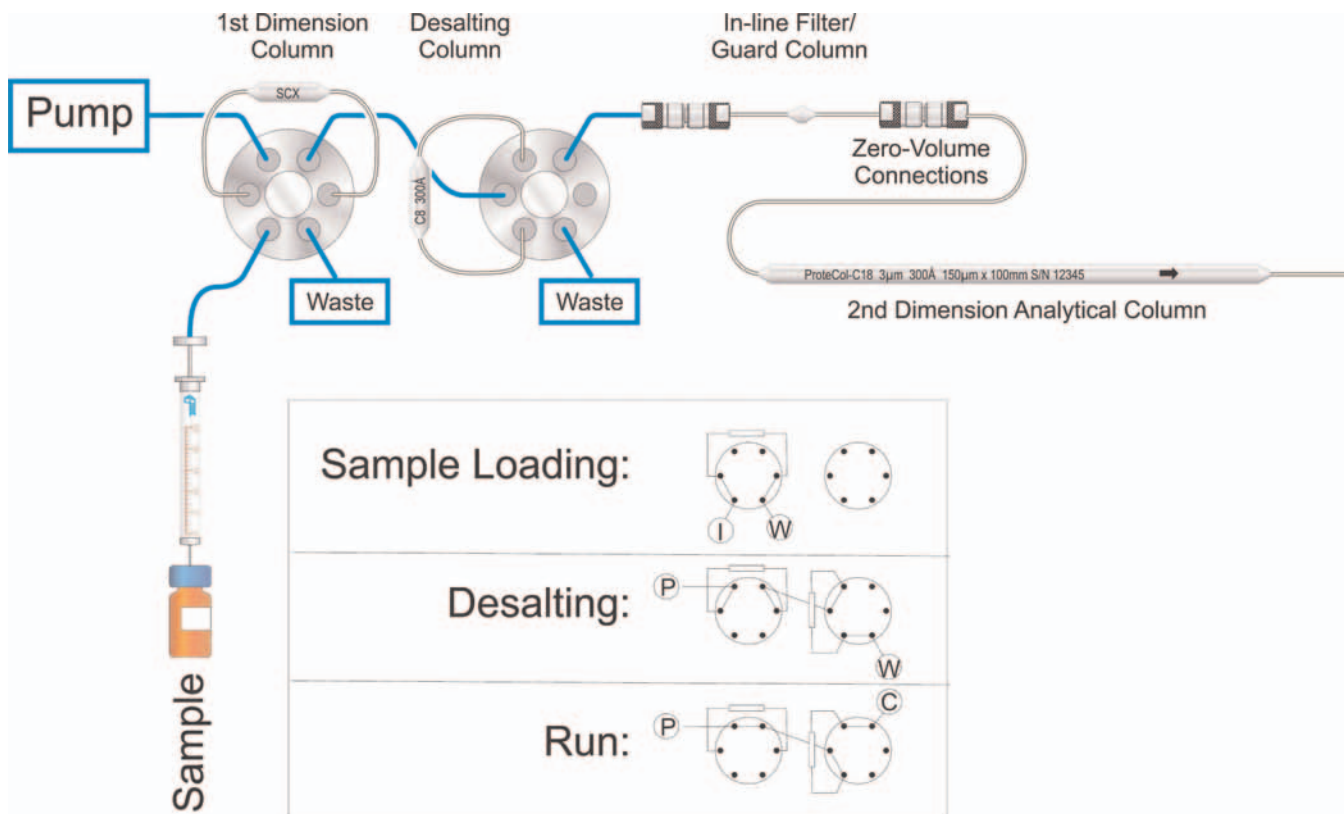
Accessory Kit: 222000



THE ProteCol™ SYSTEM

Incorporating columns, unions, tubing, splitters and filters, every component of ProteCol has been designed specifically for Capillary LC.

- **Performance Plus:** The peak broadening effect of dead volume and total swept volume is much more significant in Capillary LC compared to conventional LC. The entire ProteCol range has been specifically designed as a 'zero dead volume' system to give you the highest possible resolution and efficiency, therefore maximizing the advantages of Capillary LC
- **Ease of Use:** A key to the success of the ProteCol system is the ease with which zero dead volume connections can be made between columns, tubing and all accessories
- **Versatility:** ProteCol columns, unions and accessories are designed to be used together as a complete system, or can be individually incorporated into your existing capillary LC setup
- **Flexibility:** With a variety of columns, unions, and tubing sizes, ProteCol adapts to suit your own requirements



For ProteCol product information, visit <http://www.sge.com/html/lc/columns/protecol.asp> or contact support@sge.com

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