

# Analysis of the Tryptic Digest of Cytochrome C

On a ProteCol™  
capillary LC column

ProteCol™ APPLICATION NOTE

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.

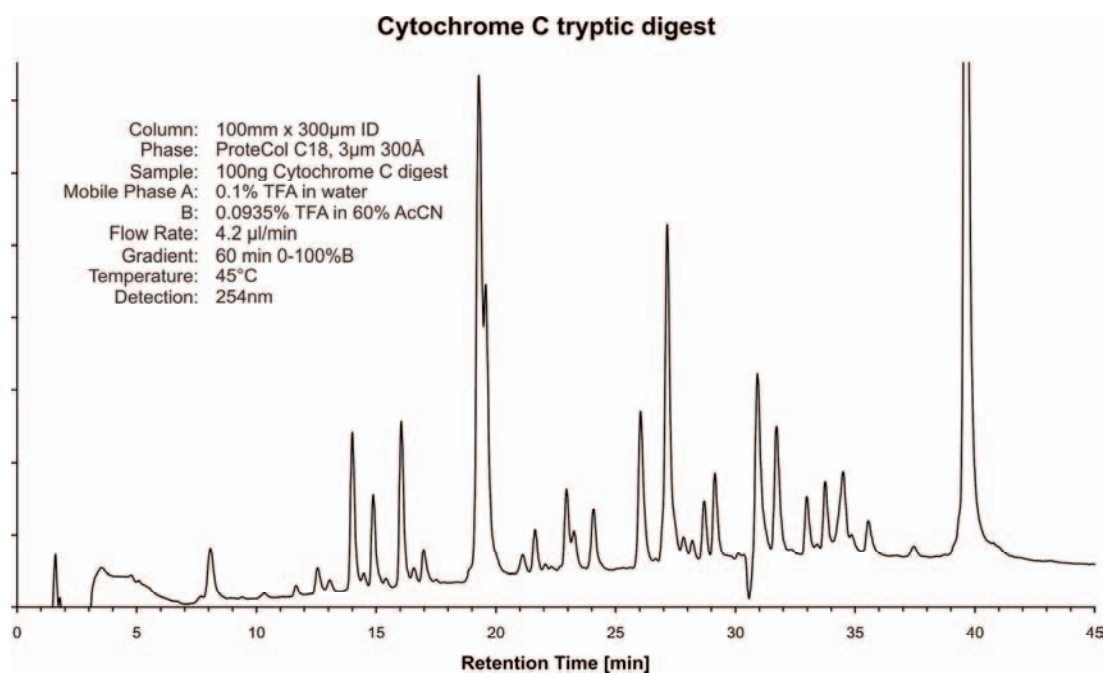
Cytochrome C (from bovine heart) is a relatively small molecule of molecular weight 12,327Da. A tryptic digest of a small (and relatively inexpensive)

protein such as Cytochrome C 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.

Ordering Information:

ProteCol Column C18 300  
um ID x 100 mm 300  
angstroms: 2202254

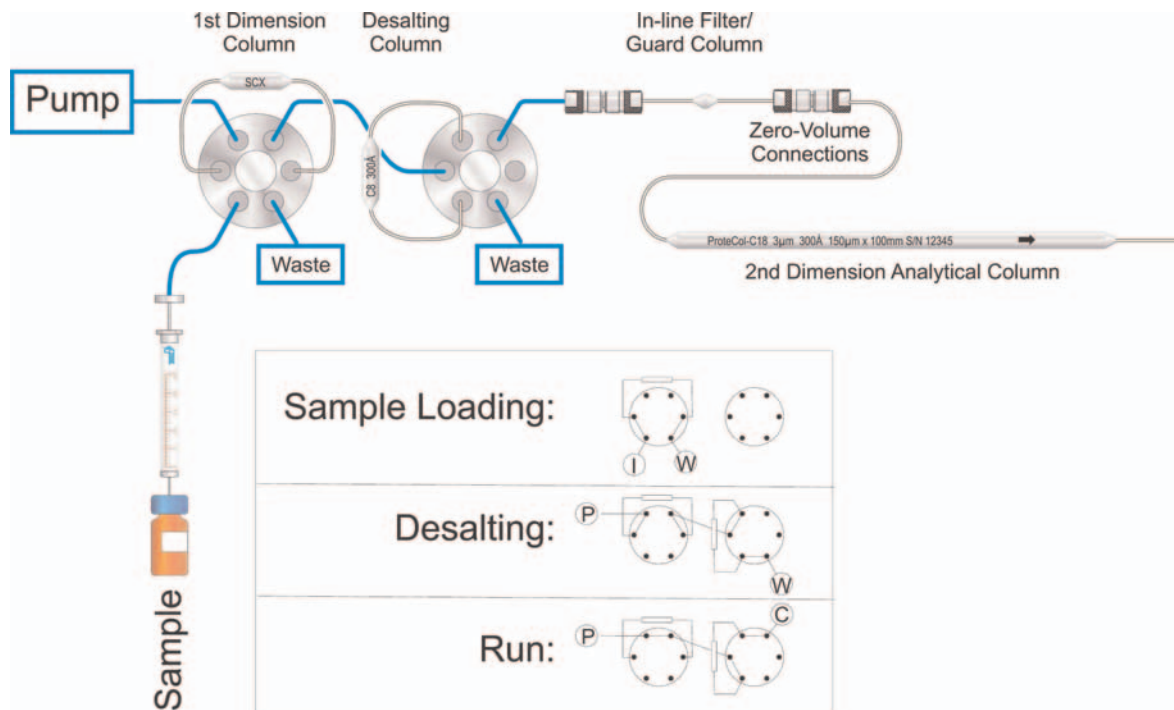
Accessory Kit: 222000



# 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



## REFERENCES

1. S. H. Doares, P. Albersheim and A. G. Darvill, Carbohydr. Res., 210 (1991) 311-317.
2. E. Lau and A. Basic, J. Chromatogr., (In Press).

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

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