



# HPLC & UHPLC Columns

## Application Note: LC-CLIN610

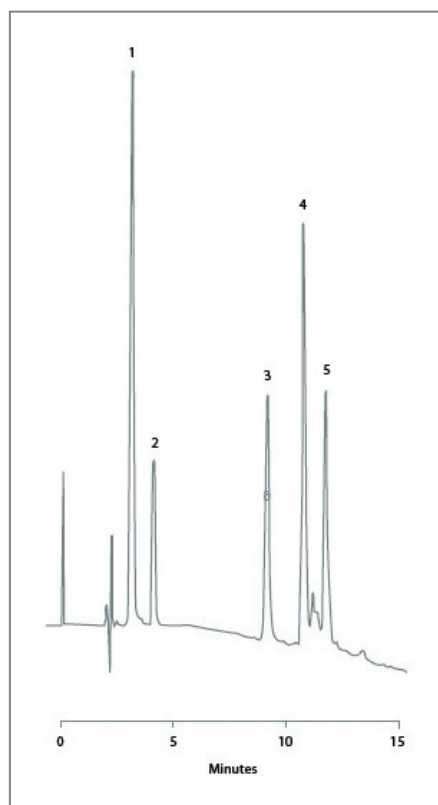
### Analysis of Peptides and Proteins

#### Introduction

This application note describes an HPLC method for the analysis of five peptides and proteins.

#### HPLC Conditions

HPLC Column: TELOS MSP C4 300Å 5µ 15cm x 4.6mmid  
Part Number: 3059-5-150-046



#### Analytes

1. Bradykinin
2. Leucine Enkephalin
3. Renin Substrate Tetradecapeptide
4. Insulin
5. Insulin Chain B

#### HPLC Conditions

Mobile Phase: A: 0.1% v/v, TFA  
B: 90/10 v/v, Acetonitrile/H<sub>2</sub>O, 0.1% v/v, TFA

Gradient:	Time	%A	%B
	0	75	25
	20	50	50
	25	75	25*

Flow Rate: 1ml/min  
Detection: UV @ 210nm  
Inj. Volume: 20µl  
Temperature: 23°C

\*re-equilibration step

#### TELOS MSP C4 300Å

TELOS MSP C4 300Å consists of butyl aliphatic groups bonded to the surface of 300Å pore diameter ultra high purity silica. TELOS MSP C4 300Å can be used to separate glycoproteins, hemoglobin variants, human growth hormone and membrane proteins.

Kinesis offer a comprehensive range of TELOS and TELOS Commercial Equivalent HPLC & UHPLC Columns. For further information please visit your local Kinesis website shown at the bottom of this application note.

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