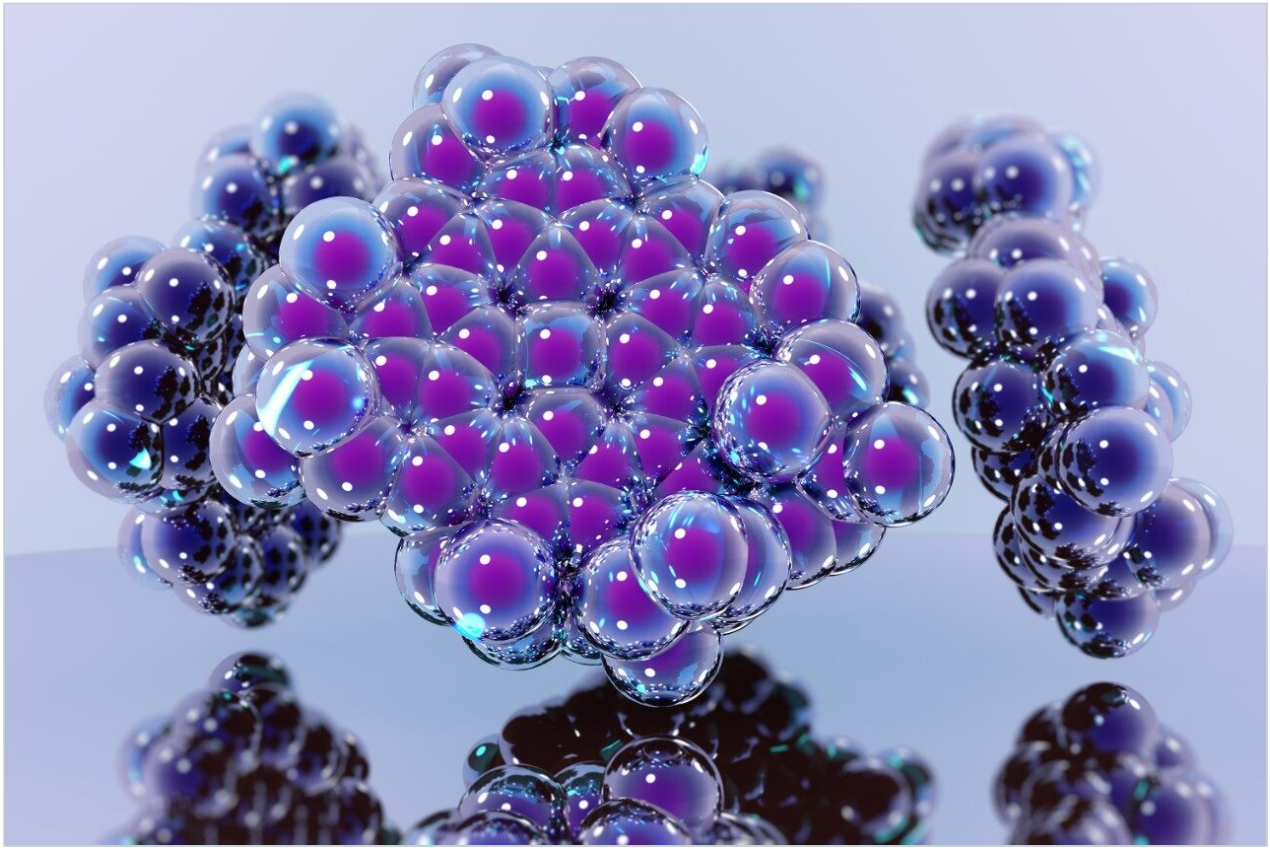
Waters™

Application Note

Cytochrome C Tryptic Digest – pH 2.5, XTerra RP_{18}

Waters Corporation



This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief highlights the analysis of cytochrome C using XTerra RP_{18} columns.

Introduction

Cytochrome C tryptic digest has been studied in this application brief.

Experimental

HPLC Conditions

Column:	XTerra RP_{18} 4.6 x 50 mm, 3.5 µm (p/n: 186000434)
Mobile phase A:	H_2O
Mobile phase B:	ACN
Mobile phase C:	100 mM HCOOH, pH 2.5
Flow rate:	0.75 mL/min, 0.2 mL/min to MS
Injection volume:	50 µL (25 µg)
Temperature:	Ambient
Detection:	MS ESI+
Instrument:	Alliance 2790, Micromass Quattro Ultima

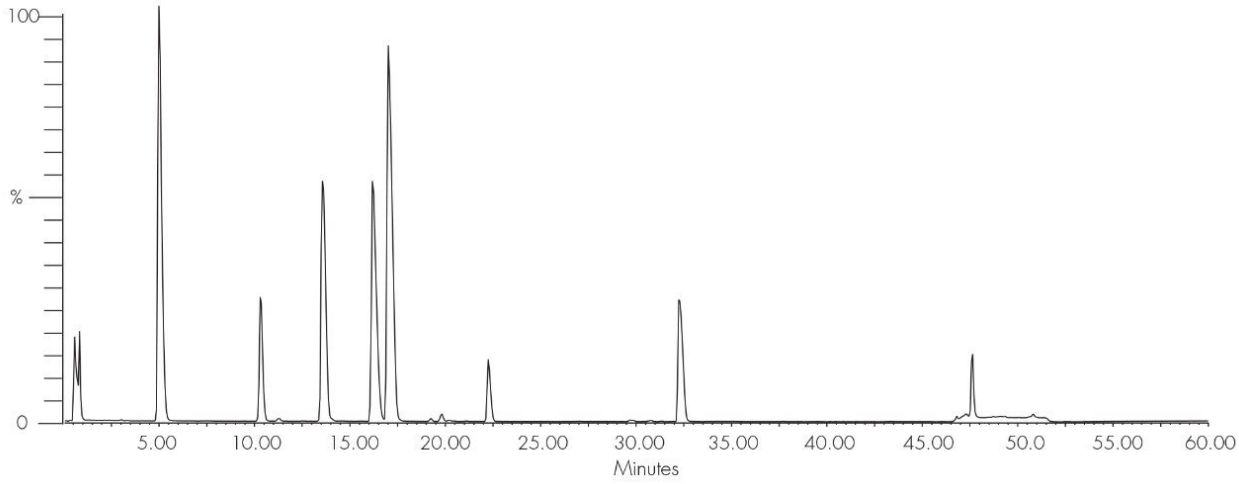
Gradient

Time (min)	Profile		
	%A	%B	%C
0.0	90	0	10
45.0	50	40	10
45.0	10	80	10
50.0	10	80	10

MS Conditions

MS sytem:	Micromass ZQ
Ion source:	ESI+
Capillary:	3.5 kV
Cone:	30 V
Extractor:	3.0
Source temp.:	150 °C
Desolvation temp.:	400 °C
Cone gas flow:	60 L/hr
Desolvation gas flow:	550 L/hr

Results and Discussion



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