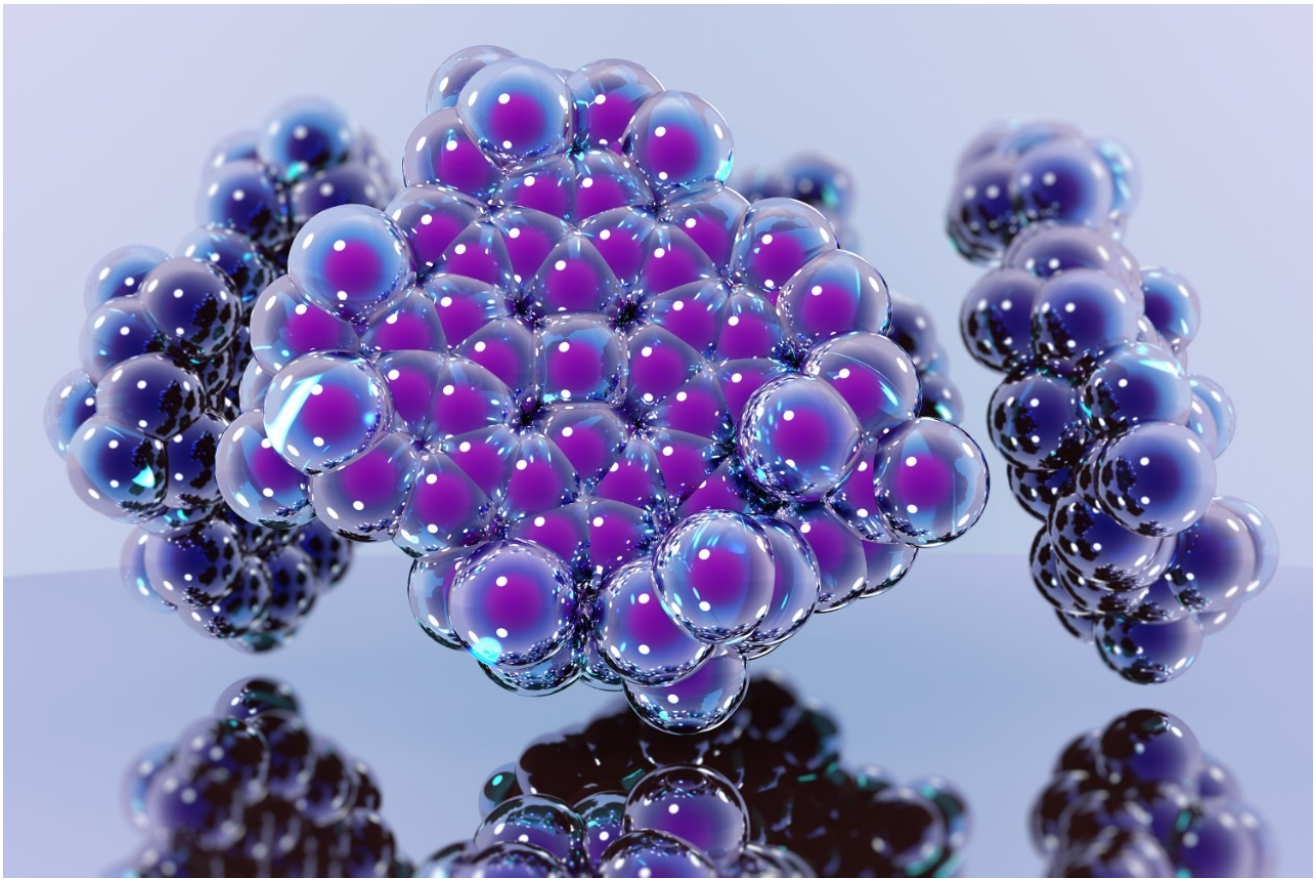
Waters™

應用手冊

# Cytochrome C Tryptic Digest - pH 2.5, XTerra MS $C_{18}$

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 MS $C_{18}$

Columns.

## Introduction

Cytochrome C has been analyzed in this study.

## Experimental

### HPLC Conditions

| | |
|---|---|
| Column: | XTerra MS $C_{18}$ 4.6 x 50 mm, 3.5 µm (p/n: 186000432) |
| 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 2695, Micromass ZQ |

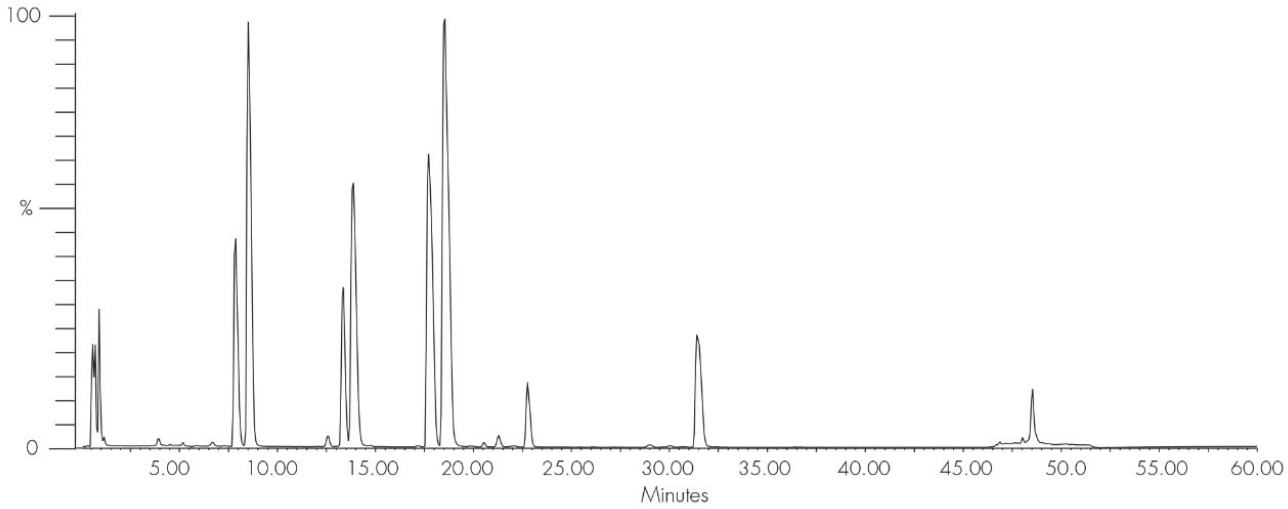
## Gradient

| 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




## Featured Products

- Alliance HPLC <https://www.waters.com/514248>

WA20738.031, June 2002