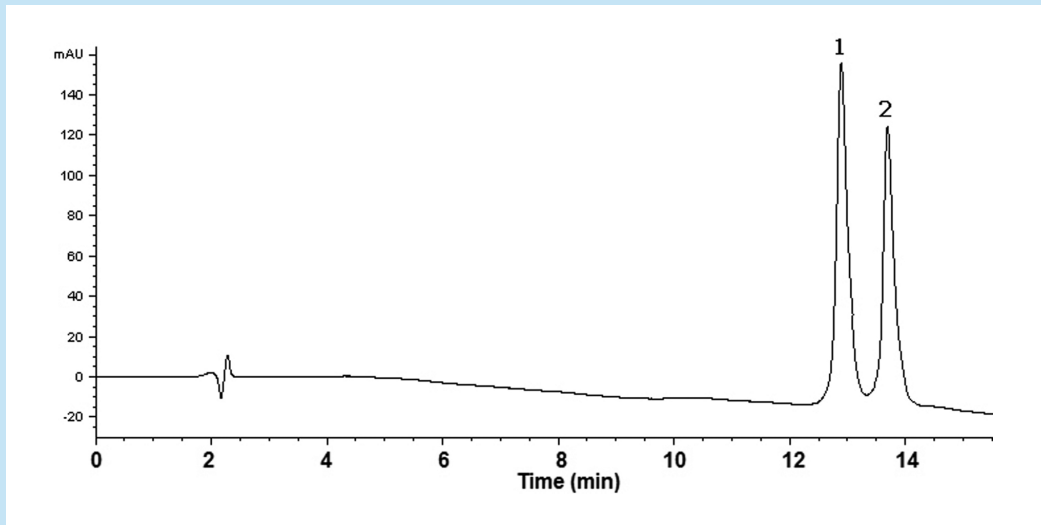


Cytochrome c From Horse and Bovine Heart



Method Conditions

Column: Cogent Bidentate C8 300™ 5µm, 300Å.
Catalog No.: 40008-75P-3M
Dimensions: 4.6 x 75 mm
Solvents: A: DI water + 0.1% trifluoroacetic acid (TFA)
 B: acetonitrile + 0.1% TFA
Gradient:

Time (min)	%B
0.0	20
16.0	40
18.0	40
18.1	20

Post Time: 5 min
Flow Rate: 0.5 mL/min.
Sample Prep: 1. 1. Cytochrome c from horse heart
 2. Cytochrome c from bovine heart
Detection: UV 214 nm.

Discussion

Cytochrome c is used in the study of protein stability, folding, unfolding and molecular evolution. This protein is an efficient biological electron-transporter and is a universal catalyst of respiration.

Using the simple RP-HPLC gradient method shown in this note, it was possible to separate horse and bovine heart cytochrome c. The peaks were well separated and symmetrical. A linear detector response was observed over 2 orders of magnitude.

For more information visit www.MTC-USA.com

Cat. No.	Description
40008-75P-3M	Cogent Bidentate C8 column for Macro Molecules, 300Å, 5µm, 4.6x75mm