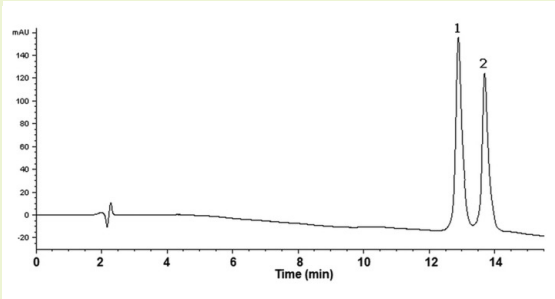
Cytochrome c

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 H_2O/ 0.1% trifluoroacetic acid (TFA)
B: Acetonitrile/ 0.1% TFA

Gradient:

time (min.)	%B
0	20
16	40
18	40
18.1	20

Post Time: 5 min

Flow rate: 0.5 mL/min

Detection: UV 214 nm

Peaks: 1. Cytochrome c from horse heart
2. Cytochrome c from bovine heart

Discussion

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.

Notes: 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.

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