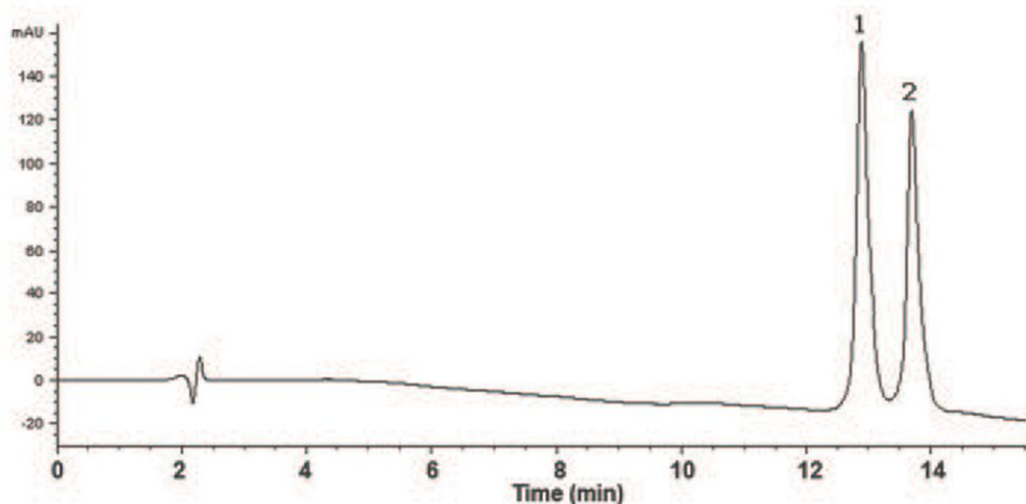


## Cytochrome C Analyzed by HPLC – AppNote

### From Horse and Bovine Heart

Using the simple Reversed Phase 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.



#### Peaks:

1. Cytochrome C from Horse heart
2. Cytochrome C from Bovine heart

### Method Conditions

**Column:** Cogent Bidentate C8 300™, 5μm, 300Å

**Catalog No.:** 40008-75P-3M

**Dimensions:** 4.6 x 75mm

#### Mobile Phase:

A: DI Water / 0.1% Trifluoroacetic Acid (TFA)

B: Acetonitrile / 0.1% Trifluoroacetic Acid (TFA)

#### Gradient:

Time (minutes)	%B
0	20
16	40
18	40
18.1	20

**Post Time:** 5 minutes

**Flow rate:** 0.5mL / minute

**Detection:** UV @ 214nm

**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.



## Attachment

**No 92 Cytochrome C Analyzed by HPLC pdf** 0.1 Mb [Download File](#)

Printed from the Chrom Resource Center

**MicroSolv Technology Corporation**

9158 Industrial Blvd. NE, Leland, NC 28451

tel. (732) 380-8900, fax (910) 769-9435

Email: [customers@mtc-usa.com](mailto:customers@mtc-usa.com)

Website: [www.mtc-usa.com](http://www.mtc-usa.com)

Date: 03-05-2024