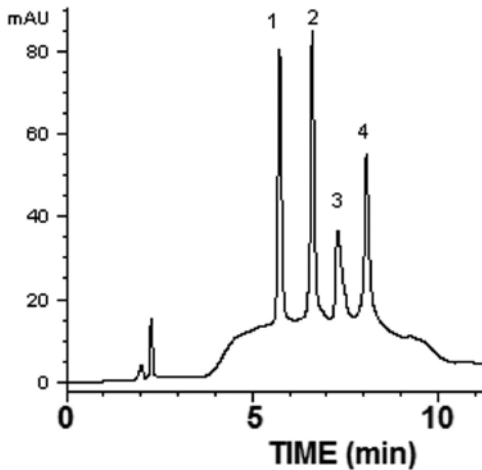




Standard Protein Mixture High Resolution & Efficiency



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 |
| | 10.0 | 80 |
| | 12.0 | 80 |
| | 13.0 | 20 |

Post Tme: 5 min
Flow Rate: 0.5 mL/min.
Sample Peak: 1. Ribonuclease A
 2. Cytochrome c
 3. Holo-transferrin
 4. Apomyoglobin
Detection: UV 214 nm

Discussion

HPLC is the premier technique for the analysis and purification of a wide range of protein and peptides and is used for analytical and preparative applications. It is extremely versatile for the isolation of proteins from a variety of synthetic or biological sources. The method shown in this note for a protein mixture offers excellent resolution which can be achieved over a wide range of chromatographic conditions. The gradient separation shown is extremely reproducible (**%RSD around 1**) over a long period of time and the peaks are fully resolved and symmetrical.

For more information visit www.MTC-USA.com

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