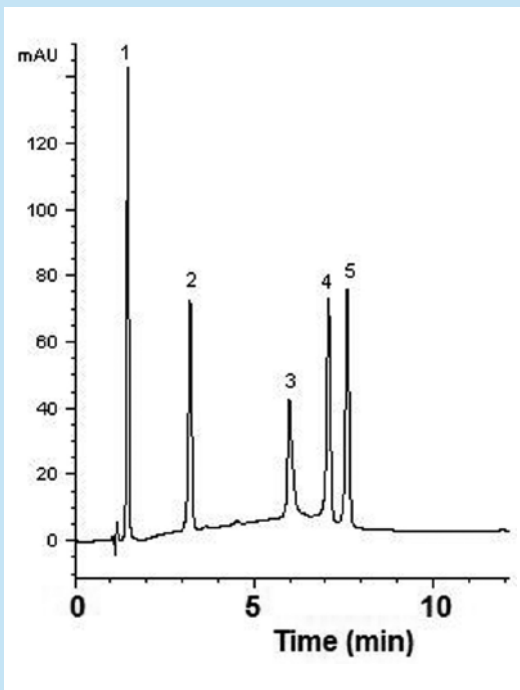


## Standard Peptide Mixture

### Precise and Fast Equilibration Time



#### 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        | 9  |
|           | 5.0        | 21 |
|           | 20.0       | 27 |
|           | 21.0       | 9  |

**Post Tme:** 5 min  
**Flow Rate:** 1.0 mL/min  
**Sample Prep:** 1. Gly-Tyr  
 2. Val-Tyr-Val  
 3. Methionine enkephalin  
 4. Angiotensin II  
 5. Leucine enkephalin

**Detection:** UV 214 nm.

#### Discussion

HPLC in various modes is a main technique for the characterization of peptides. Reverse Phase HPLC is employed for the initial analysis and the final large scale purification of peptides. The first step of the production of synthetic peptides usually involves an initial separation of the peptides in the mixture on an analytical scale. Next the purification and collection of the target peptide follows. The Figure shown here presents the use of RP-HPLC with a Cogent Bidentate C8 300™ column in the separation of a five peptide mixture. The 300Å pore size of the sorbent is ideal for separation of small peptides chosen for the presented chromatogram. This column is a great choice for the gradient analysis of these due to the very **fast equilibration time between injections (less than 5 minutes)**.

For more information visit [www.MTC-USA.com](http://www.MTC-USA.com)

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