

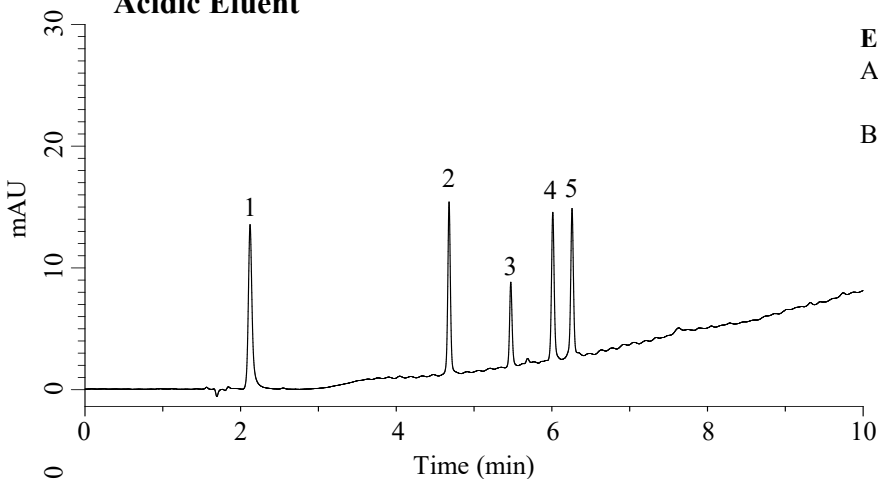
# InertSearch for LC

Inertsil Applications

## Analysis of Peptides

Data No. LB732-0806

### Acidic Eluent

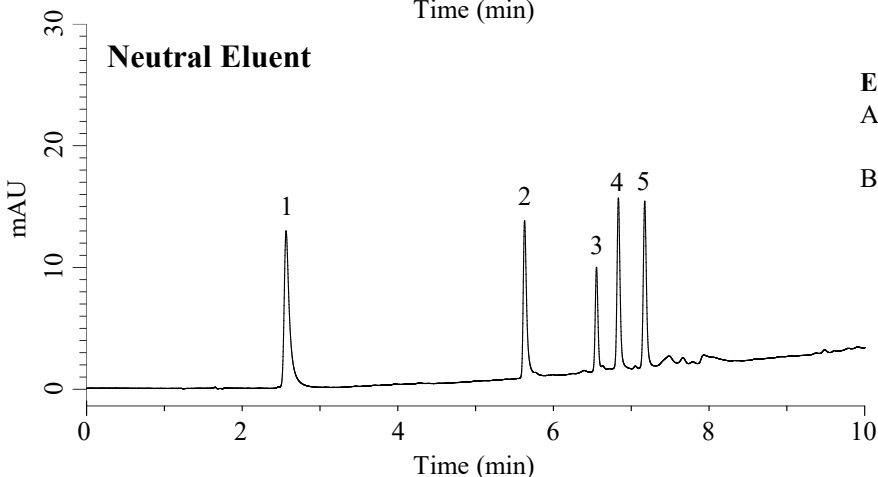


#### Eluent (Acidic) :

- A) (10 mM HCOONH<sub>4</sub> + 0.1% HCOOH)  
in (CH<sub>3</sub>CN/H<sub>2</sub>O = 90/10, v/v)  
B) (10 mM HCOONH<sub>4</sub> + 0.1% HCOOH)  
in H<sub>2</sub>O

Time (min)	A (Vol%)	B (Vol%)
0.0	2	98
10.0	80	20

### Neutral Eluent



#### Eluent (Neutral) :

- A) 10 mM HCOONH<sub>4</sub>  
in (CH<sub>3</sub>CN/H<sub>2</sub>O = 90/10, v/v)  
B) 10 mM HCOONH<sub>4</sub> in H<sub>2</sub>O

Time (min)	A (Vol%)	B (Vol%)
0.0	2	98
10.0	80	20

### Conditions

**System** : Chromaster HPLC system (HITACHI)  
**Column** : InertSustain AX-C18 (GL Sciences Inc.)  
(3 μm, 150 x 2.1 mm I.D.)  
**Column Cat. No.** : 5020-91039  
**Flow Rate** : 0.3 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : UV 254 nm  
**Injection Vol.** : 1 μL  
**Sample** : Standard

### Analyte:

1. Gly-Tyr
2. Val-Tyr-Val
3. Angiotensin II  
(Asp-Arg-Val-Tyr-Ile-His-Pro-Phe)
4. Met-Enkephalin  
(Tyr-Gly-Gly-Phe-Met)
5. Leu-Enkephalin  
(Tyr-Gly-Gly-Phe-Lue)

(500 mg/L each)