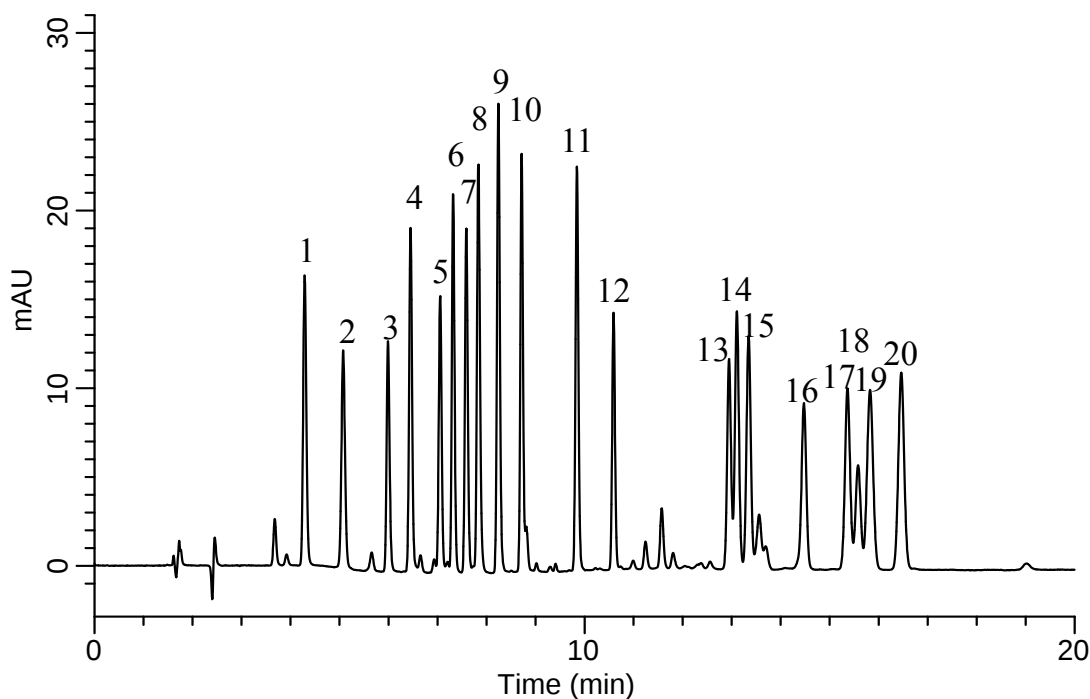


## Analysis of PTH-Amino acids

Data No. LA803-0894



### Conditions

**System** : GL-7400 HPLC system  
**Column** : Inertsil ODS-4 HP (3 $\mu$ m, 250 x 3.0 mm I.D.)  
**Column Cat. No.** : 5020-14006  
**Eluent** : A) CH<sub>3</sub>CN  
          B) 10 mM NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub> (pH 2.5, H<sub>3</sub>PO<sub>4</sub>)  
          A/B = 20/80 – 7 min – 47/53 – 13 min – 47/53 , v/v  
**Flow rate** : 0.6 mL/min  
**Col. Temp.** : 50 °C  
**Detection** : UV 254 nm (GL-7452A PDA Detector)  
**Injection Vol.** : 2  $\mu$ L  
**Sample** : PTH-amino acids

### Solutes:

|     |               |       |         |
|-----|---------------|-------|---------|
| 1.  | Histidine     | (His) | 20 mg/L |
| 2.  | Cysteic acid  | (-)   | 25 mg/L |
| 3.  | Arginine      | (Arg) | 20 mg/L |
| 4.  | Asparagine    | (Asn) | 20 mg/L |
| 5.  | Glutamine     | (Gln) | 20 mg/L |
| 6.  | Tyrosine      | (Tyr) | 20 mg/L |
| 7.  | Aspartic acid | (Asp) | 20 mg/L |
| 8.  | Glutamic acid | (Glu) | 25 mg/L |
| 9.  | Glycine       | (Gly) | 20 mg/L |
| 10. | Threonine     | (Thr) | 20 mg/L |
| 11. | Alanine       | (Ala) | 20 mg/L |
| 12. | Serine        | (Ser) | 20 mg/L |
| 13. | Methionine    | (Met) | 20 mg/L |
| 14. | Valine        | (Val) | 20 mg/L |
| 15. | Proline       | (Pro) | 20 mg/L |
| 16. | Tryptophan    | (Trp) | 25 mg/L |
| 17. | Phenylalanine | (Phe) | 25 mg/L |
| 18. | Lysine        | (Lys) | 10 mg/L |
| 19. | Isoleucine    | (Ile) | 20 mg/L |
| 20. | Leucine       | (Leu) | 25 mg/L |