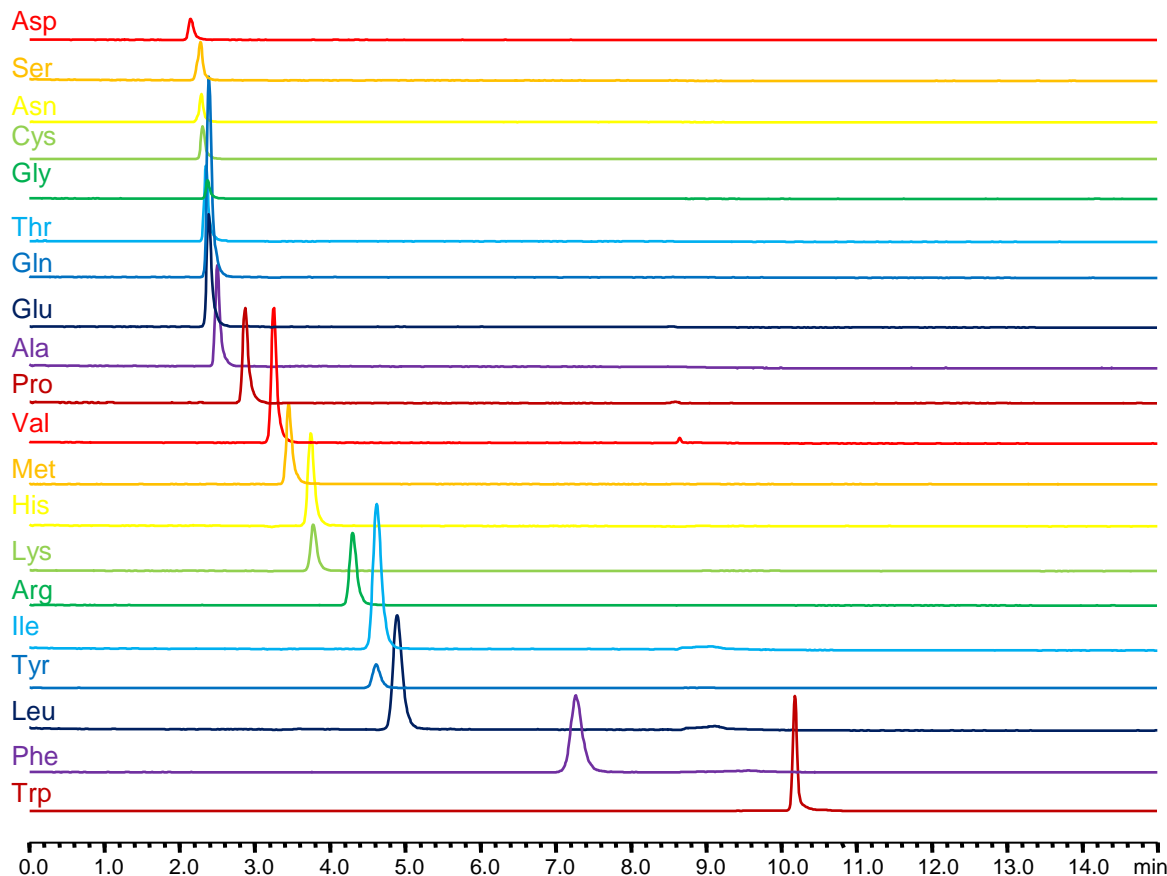


# Analysis of Amino Acids



## Conditions

**Column** : InertSustain PFP HP (3  $\mu$  m, 150 x 2.1 mm I.D.)  
**Column Cat. No.** : 5020-87921  
**Eluent** : A) CH<sub>3</sub>CN  
 B) 0.1% HCOOH in H<sub>2</sub>O

Time(min)	A(vol%)	B(vol%)
0	0	100
4	0	100
8	30	70
15	30	70

**Flow rate** : 0.2 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : LC/MS/MS  
 (LCMS8030 Plus System, ESI, Positive, SRM)  
**Injection Vol.** : 3  $\mu$  L  
**Sample** : Standard

## Analyte:

1. Aspartic acid	100 $\mu$ g/L
2. Serine	100 $\mu$ g/L
3. Asparagine	100 $\mu$ g/L
4. Cysteine	500 $\mu$ g/L
5. Glycine	100 $\mu$ g/L
6. Threonine	100 $\mu$ g/L
7. Glutamine	100 $\mu$ g/L
8. Glutamic acid	100 $\mu$ g/L
9. Alanine	100 $\mu$ g/L
10. Proline	100 $\mu$ g/L
11. Valine	100 $\mu$ g/L
12. Methionine	100 $\mu$ g/L
13. Histidine	100 $\mu$ g/L
14. Lysine	100 $\mu$ g/L
15. Arginine	100 $\mu$ g/L
16. Isoleucine	100 $\mu$ g/L
17. Tyrosine	100 $\mu$ g/L
18. Leucine	100 $\mu$ g/L
19. Phenylalanine	100 $\mu$ g/L
20. Tryptophan	100 $\mu$ g/L