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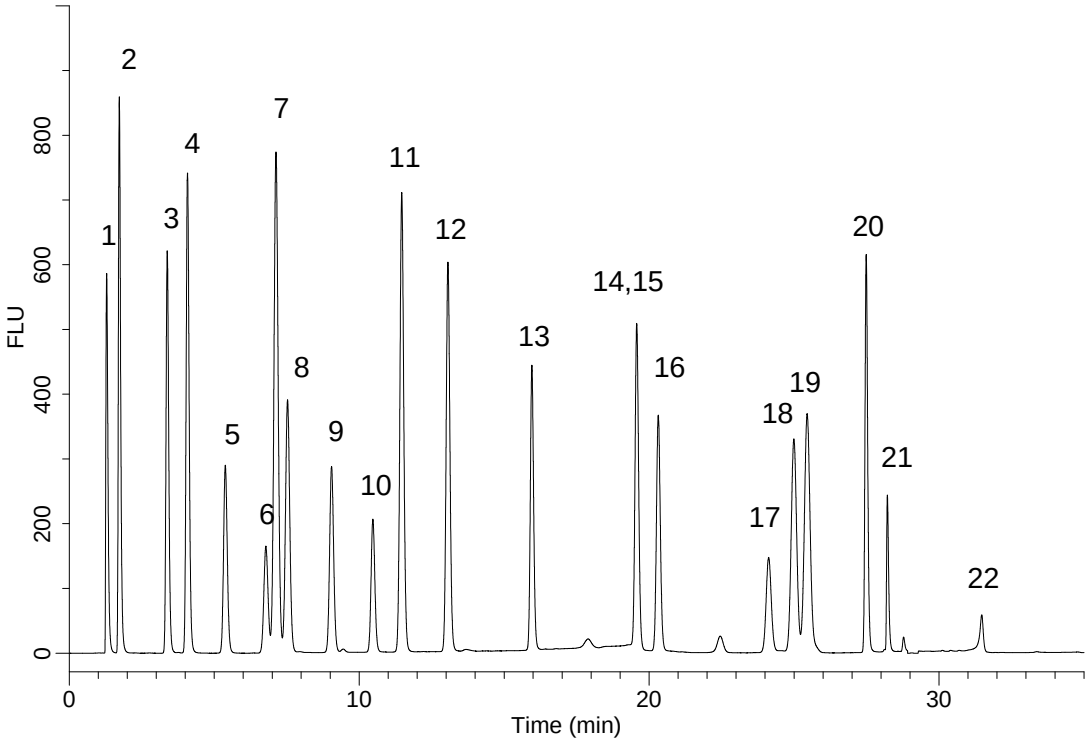
Analysis of Pre-column Derivatized Amino Acids

Data No. LB088-0812



Conditions

System : GL-7400 HPLC system
Column : Inertsil ODS-4
（3 μ m, 150 x 3.0 mm I.D.）
Column Cat. No. : 5020-04025
Eluent : A) $CH_3CN/CH_3OH/H_2O$ = 45/40/15, v/v/v
B) 20 mM KH_2PO_4 (pH 6.9, H_3PO_4)

Time(min)	A(%)	B(%)
0	11	89
3	11	89
12	22	78
14	28	72
23	30	70
27	65	35
34	75	25
35	100	0

Flow Rate : 0.7 mL/min
Col. Temp. : 35 ℃
Detection : FL Ex 350 nm Em 450 nm (0-29 min)
Ex 266 nm Em 305 nm (29-35 min)
(GL-7453 FL Detector)
Injection Vol. : 1 μ L
Sample : Derivatized Amino Acids

Analyte:

1. OPA-Aspartic Acid
2. OPA-Glutamic Acid
3. OPA-Asparagine
4. OPA-Serine
5. OPA-Glutamine
6. OPA-Histidine
7. OPA-Glycine
8. OPA-Threonine
9. OPA-Citrulline
10. OPA-Arginine
11. OPA-Alanine
12. OPA-GABA(4-aminobutanoic acid)
13. OPA-Tyrosine
14. OPA-Cys-Cys
15. OPA-Valine
16. OPA-Methionine
17. OPA-Tryptophan
18. OPA-Phenylalanine
19. OPA-Isoleucine
20. OPA-Leucine
21. OPA-Lysine
22. Fmoc-Proline

（each 10 μg/mL）

GL Sciences