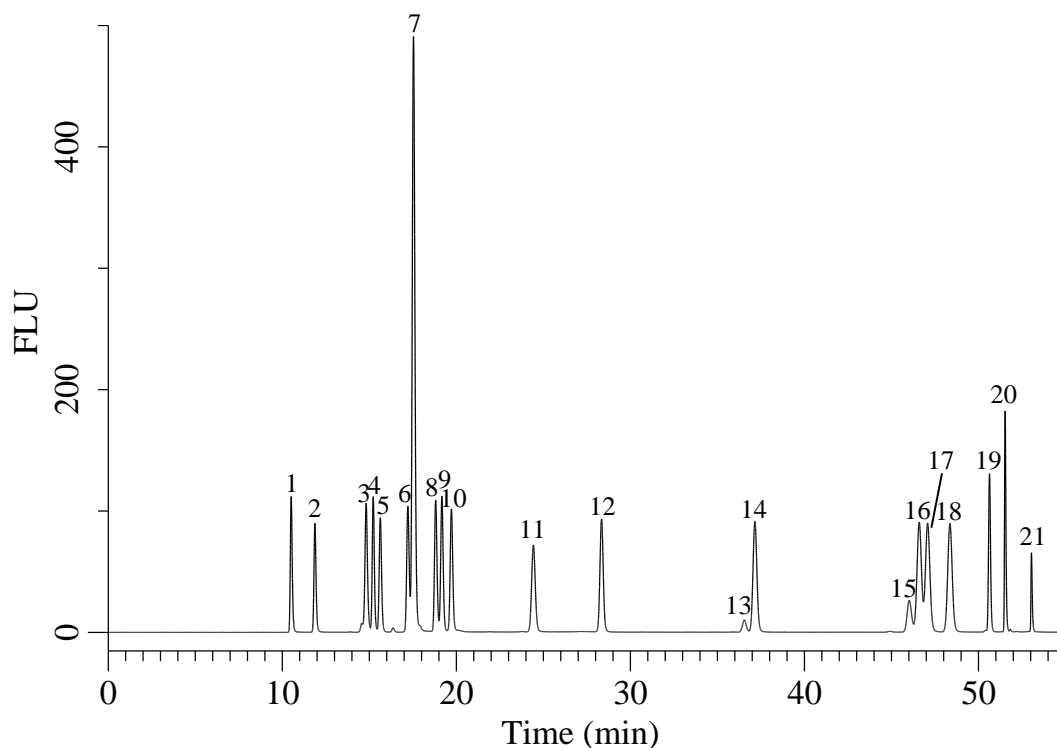


Simultaneous analysis of 21 amino acids derivatized with 4-fluoro-7-nitro-2,1,3-benzoxadiazole (NBD-F)



Conditions

System : Chromaster HPLC system (HITACHI)
Column : InertSustain C30 (GL Sciences Inc.)
 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-17145
Eluent : A) 0.1 % CF₃COOH in CH₃CN
 B) 0.1 % CF₃COOH in H₂O

Time (min)	A (vol%)	B (vol%)
0.0	10	90
15.0	25	75
20.0	25	75
25.0	30	70
45.0	38	62
55.0	80	20

Flow Rate : 1.0 mL/min
Col. Temp. : 42 °C
Detection : FL Ex 470 nm, Em 530 nm
Injection Vol. : 5 μ L
Sample : Standard

Analyte:

1. NBD-Taurine
2. NBD-Histidine
3. NBD-Glutamine
4. NBD-Arginine
5. NBD-Serine
6. NBD-Aspartic acid
7. NBD-OH
8. NBD-Glutamic acid
9. NBD-Threonine
10. NBD-Glycine
11. NBD-Alanine
12. NBD-Proline
13. NBD-Methionine
14. NBD-Valine
15. NBD-Cystine
16. NBD-Isoleucine
17. NBD-Leucine
18. NBD-Phenylalanine
19. NBD-Ornithine
20. NBD-Lysine
21. NBD-Tyrosine

(50 μ mol/L each)