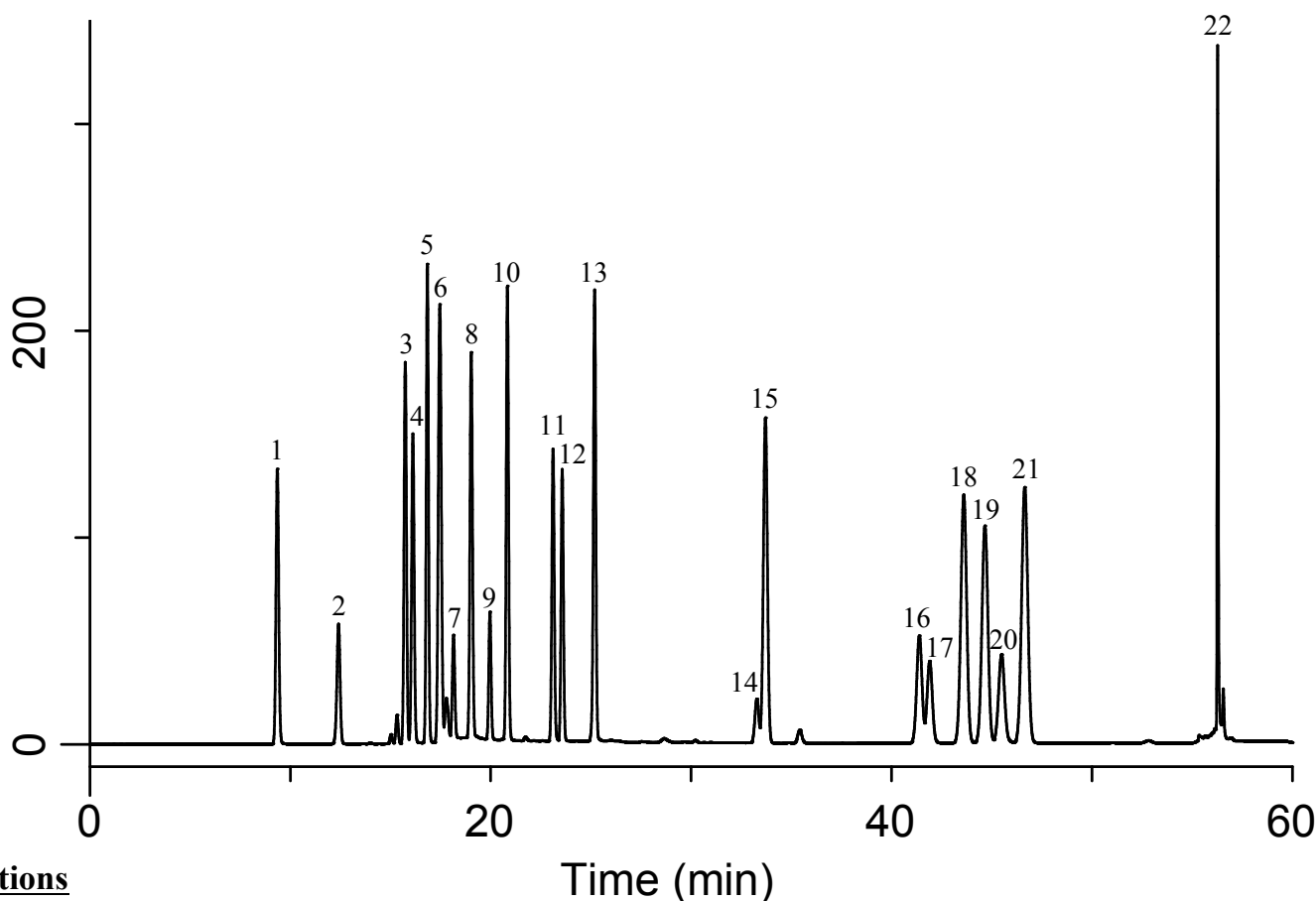


InertSearch™ for LC

Inertsil® Applications

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

Data No. LB470-0952



Conditions

System : GL7700 HPLC system
Column : InertSustainSwift C18
(5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-88027
Eluent : A) 0.1 % TFA in CH_3CN
B) 0.1 % TFA in H_2O

Time (min)	A (%)	B (%)
0.00	10	90
5.00	10	90
20.0	30	70
50.0	35	65
50.1	80	20
55.0	80	20
55.1	10	90
70.0	10	90

Analyte:

1. NBD-Taurin	12. NBD-GABA
2. NBD-Histidine	13. NBD-Proline
3. NBD-Glutamine	14. NBD-Methionine
4. NBD-Serine	15. NBD-Valine
5. NBD-Arginine	16. NBD-Cystine
6. NBD-OH	17. NBD-Ornithine
7. NBD-Aspartic acid	18. NBD-Isoleucine
8. NBD-Glycine	19. NBD-Leucine
9. NBD-Glutamic acid	20. NBD-Lysine
10. NBD-Threonine	21. NBD-Phenylalanine
11. NBD-Alanine	22. NBD-Tyrosine

(NBD-amino acids, 50 μ mol/L each)

Flow rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : FL Ex 470 nm Em 530 nm
Injection Vol. : 5 μ L
Sample : Standard solution derivatized by NBD-F