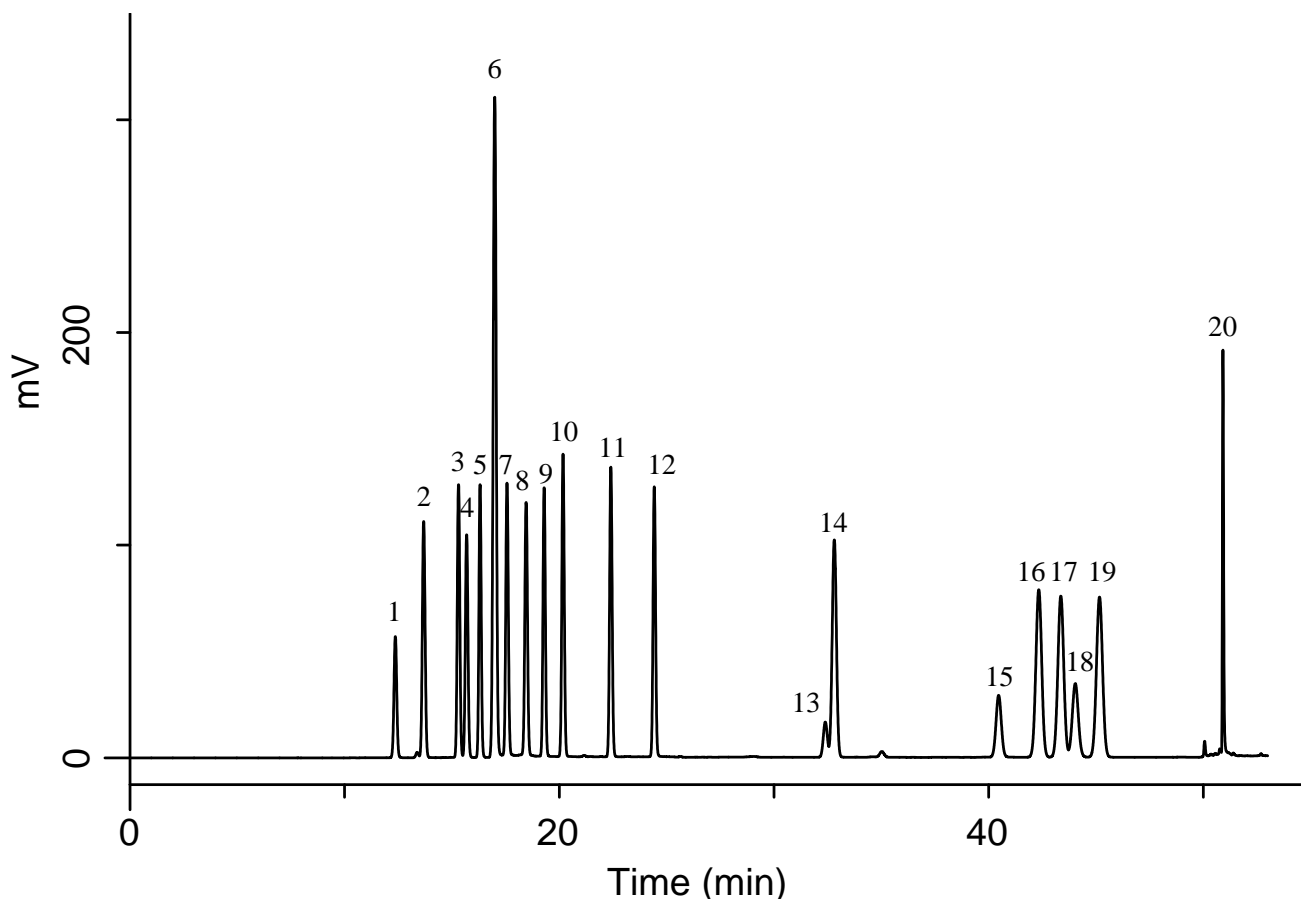


# InertSearch™ for LC

Inertsil® Applications

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

Data No. LB316-0848



### Conditions

**Column** : InertSustainSwift C18  
(5  $\mu$  m, 250 x 4.6 mm I.D.)

**Column Cat. No.** : 5020-88027

**Eluent** : A) CH<sub>3</sub>CN  
B) 0.1% TFA in H<sub>2</sub>O

Time (min)	A (vol%)	B (vol%)
0.0	10	90
5.0	10	90
20.0	30	70
45.0	35	65
46.0	80	20
50.0	80	20

**Flow rate** : 1.0 mL/min

**Col. Temp.** : 40 °C

**Detection** : FL Ex 470 nm Em 530 nm

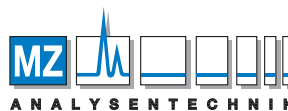
**Injection Vol.** : 2  $\mu$  L

**Sample** : Standard solution derivatized by NBD-F

### Analyte:

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

(NBD-amino acids, 20  $\mu$  mol/L each)



AUTHORIZED DISTRIBUTOR

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