

HPLC Application

ID No.: 5642

Dabsyl Derivated Phospho Amino Acids

Column: Ultracarb[™] 5 µm ODS (30) 60 Å, LC Column 250 x 4.6 mm, Ea

Dimensions: 250 x 4.6 mm ID

Order No: 00G-0351-E0

Elution Type: Gradient

Eluent A: 20 mM Sodium bicarbonate pH 8.1 with 4% dimethylformamide

Eluent B: (90:10) Acetonitrile/2-Propanol

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
| | 1 | 0 | 82 | 18 |
| | 2 | 6 | 75 | 25 |
| | 3 | 26 | 60 | 40 |
| | 4 | 41 | 30 | 70 |
| | 5 | 43 | 30 | 70 |

Flow Rate: 1 mL/min

Col. Temp.: ambient

Detection: UV-Vis Abs.-Variable Wave.(UV) @ 460 nm (ambient)

Analyst Note: SecurityGuard[™] Guard Cartridge System extends column lifetime.

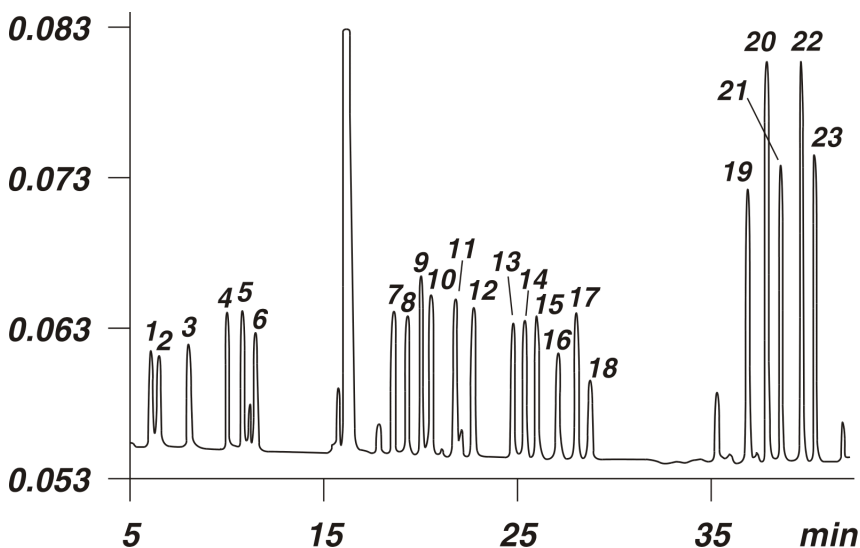
- SecurityGuard Cartridges, C18 4 x 3.0mm, 10/Pk Part No.: AJ0-4287

- Holder Part No.: KJ0-4282



Products used in this application:

Ultracarb[™]



Dabsyl Derivated Phospho Amino Acids

ANALYTES:

- 1 Phosphothreonine
- 2 Phosphoserine
- 3 Phosphotyrosine
- 4 Aspartic acid
- 5 Glutamic acid
- 6 Carboxymethylcysteine
- 7 Serine
- 8 Threonine
- 9 Glycine
- 10 Alanine
- 11 Proline
- 12 Valine
- 13 Methionine
- 14 Isoleucine
- 15 Leucine
- 16 Arginine
- 17 Phenylalanine
- 18 Cysteine
- 19 Ammonia
- 20 Lysine
- 21 Histidine
- 22 Dityrosine
- 23 Tyrosine

