

Separation of AQC Derivatized Amino Acids with UV Detection

Method VFD0063J
HPLC RP Mode

Column: Eurospher II 100-3 C18, 150 x 3 mm ID

Order No. 15CE181E2G

Phase: Eurospher II 100-3 C18

Conditions: Eluent: A: 50 mM Na-Acetat pH 5.75 B: 50 mM Na-Acetat pH 6/Acetonitrile 30:70
 Gradient: 0 – 10.13 min 5 % - 10 % B
 10.13 – 16.0 min 10 % B - 25 % B
 16.0 – 21.9 min 25 - 32 % B
 Flow rate: 0.8 ml/min
 Temperature: 45 °C
 Volume: 10 µl (11.76 pmol/µl, CysCys 5.88 pmol/µl))

Detection: UV, 254 nm (10 mm cell, 5 Hz, 0.2 sec.)

Substances: Alanine, Arginine, Aspartic acid, Cystine, Glutamic acid, Glycine, Histidine, Isoleucine, Leucine, Lysine, Methionine, Phenylalanine, Proline, Serine, Threonine, Tyrosine, Valine

Keywords: Amino acids, AQC,

Chromatogram:

- 1 Asp
- 2 Glu
- 3 Ser
- 4 Gly
- 5 ? (Derivatization)
- 6 Lys
- 7 His
- 8 Thr
- 9 Arg
- 10 Ala
- 11 AMQ (Derivatization)
- 12 Pro
- 13 NH₃
- 14 CysCys
- 15 Tyr
- 16 Val
- 17 Met
- 18 Ile
- 19 Leu
- 20 Lys Peak 2
- 21 Phe

