

Separation of AQC Derivatized Amino Acids with Fluorescence Detection

Method	VFD0145J	
HPLC	RP HPLC	
Column:	Eurospher II 100-3 C18, 150 x 3 mm ID	Order No. 15XE1812E2G
Phase:	Eurospher II 100-3 C18	
Conditions:	Eluent: A: 50mM Na-acetate pH 5.75 B: 50mM Na-acetate pH 6/ACN 30:70 (v/v)	
	Gradient: 0-13.5 min 5%-15% B	
	13.5-15 min 15%-25% B	
	15-25 min 25%-28% B	
	Flow rate: 0.8 ml/min	
	Temperature: 45 °C	
	Volume: 1 µL	
Detection:	Fluorescence (Ex 250 nm, Em 395 nm)	
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 Pro
- 12 CysCys
- 13 Tyr
- 14 Val
- 15 Met
- 16 Ile
- 17 Leu
- 18 Lys Peak 2
- 19 Phe

