

# Analysis of 18 Amino Acids by PITC Derivatisation

Application #AN6070

## Conditions

Column: ACE Excel 5 SuperC18  
Dimensions: 250 x 4.6 mm  
Part Number: EXL-1211-2546U  
Mobile Phase: A: 100 mM sodium acetate (pH 6.5)/MeCN (93:7)  
B: MeCN/H<sub>2</sub>O (80:20)

Time (mins)	%B
0	0
15	15
18	24
25	40
30	40
30.01	100
50	100
50.1	0
70	0

Flow Rate: 1.0 mL/min  
Injection: 5 µL  
Temperature: 36 °C  
Detection: UV, 254 nm  
Monograph Method: ChP. 2015

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

mAU

