

OPA Amino Acids on Gemini C18

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Column: Gemini 5u C18 110A
Dimensions: 150 x 4.6 mm ID
Order No: 00F-4435-E0
Elution Type: Gradient
Eluent A: 40mM NaH₂PO₄, pH 7.8
Eluent B: Acetonitrile/Methanol/Water (45:45:10)

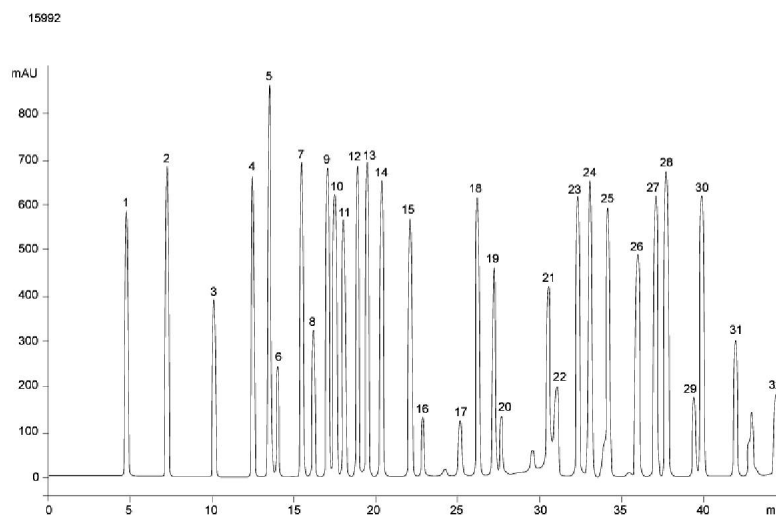
Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	100	0
	2	40.5	59.5	40.5
	3	41	39	61
	4	43	39	61
	5	44	18	82
	6	44.5	0	100
	7	46.5	0	100
	8	47	100	0
	9	49	100	0

Flow Rate: 1 mL/min
Col. Temp.: 40 °C
Detection: Fluorimetric @ 340 nm / 460 nm (ambient)
Comment: OPA derivatization performed on-line prior to injection on HP1100

Products used in this Application:



Analyst Note: Courtesy of Jens Olaf Kroemer, Technische Biokchemie, Universität des Saarlandes, Germany



ANALYTES:

- | | |
|-----------------|---------------|
| 1 Aspartic acid | 8 Histidine |
| 2 Glutamic acid | 9 Homoserin |
| 3 Cysteine | 10 Glycine |
| 4 Asparagine | 11 Threonine |
| 5 Serine | 12 Citrulline |
| 6 Homocysteine | 13 Arginine |
| 7 Glutamine | 14 β-Alanine |

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- 15 Alanine
- 16 γ -Aminobutyric acid
- 17 O-acetyl-Serine
- 18 Tyrosine
- 19 O-acetyl-Homoserine
- 20 α -Aminobutyric acid
- 21 LL-Cystathionine
- 22 Histidine 2 (Iodoaceticacid)
- 23 Valine
- 24 Methionine
- 25 Norvaline
- 26 Tryptophane
- 27 Phenylalanine
- 28 Isoleucine
- 29 Ornithine
- 30 Leucine
- 31 Lysine
- 32 Proline

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