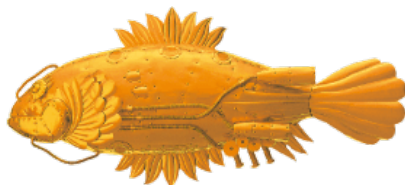


Shodex
HPLC Columns



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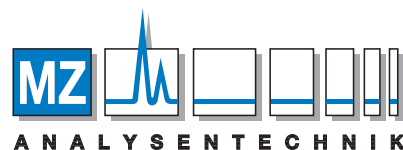
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Amino Acids (3) (P-421S) | Amino Acids (3) (P-421S), Peptides and Amino acids | Amino Acid Analysis | Amino Acids (3) (P-421S)

Amino acids standards were analyzed by CXpak P-421S. Seventeen kinds of amino acids were separated and detected with ninhydrine reaction. The total analytical time was within 50 minutes.

Sample : 0.1 μ M each, 100 μ L

1. Asp
2. Thr
3. Ser
4. Glu
5. Pro
6. Gly
7. Ala
8. Cystine
9. Val
10. Met
11. Ile

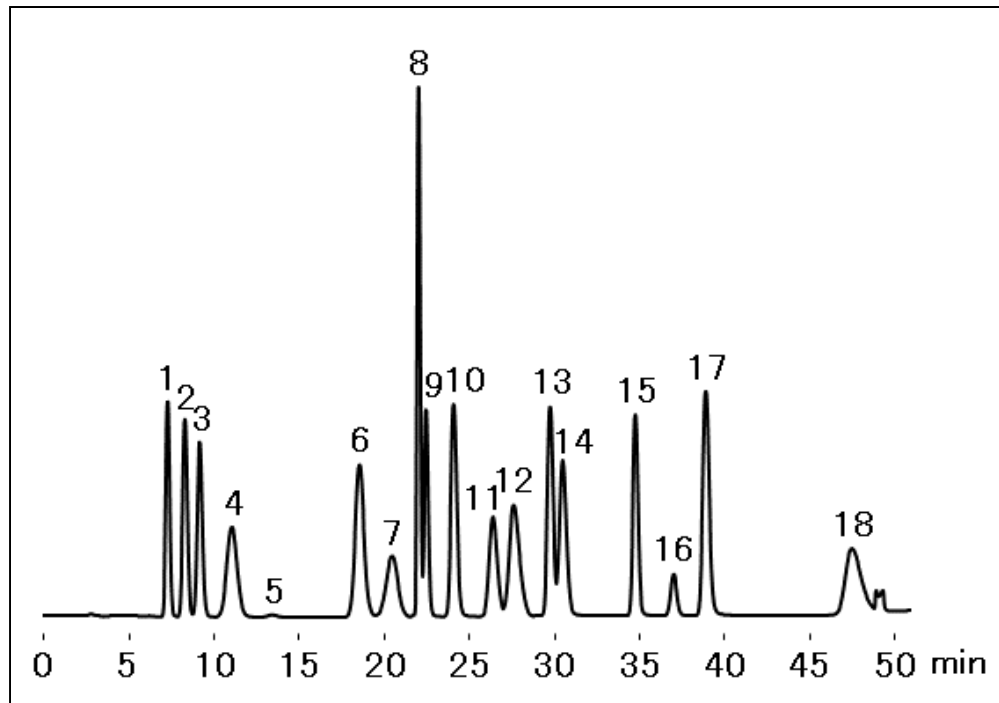


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12. Leu
13. Tyr
14. Phe
15. Lys
16. NH₃
17. His
18. Arg

Column : Shodex CXpak P-421S (4.6 mm I.D. x 150 mm)

Eluent : MCI BUFFER™ PH Kit (Mitsubishi Chemical Corporation)
 Low pressure step gradient;
 PH-1 (0 min), PH-2 (0.2 min), PH-3 (13.5 min), PH-4 (23.2 min),
 PH-RG (47.0 min)

Reagent : Ninhydrin Coloring Solution Kit for HITACHI
 (FUJIFILM Wako Pure Chemical Corporation)
 R1:R2=50:50

Flow rate : (Eluent) 0.5 mL/min
 (Reagent) 0.35 mL/min

Detector : VIS (570 nm)

Column temp. : 63 °C

Reaction temp. : 120 °C