

CoreFocus
Report
No.159A

LC

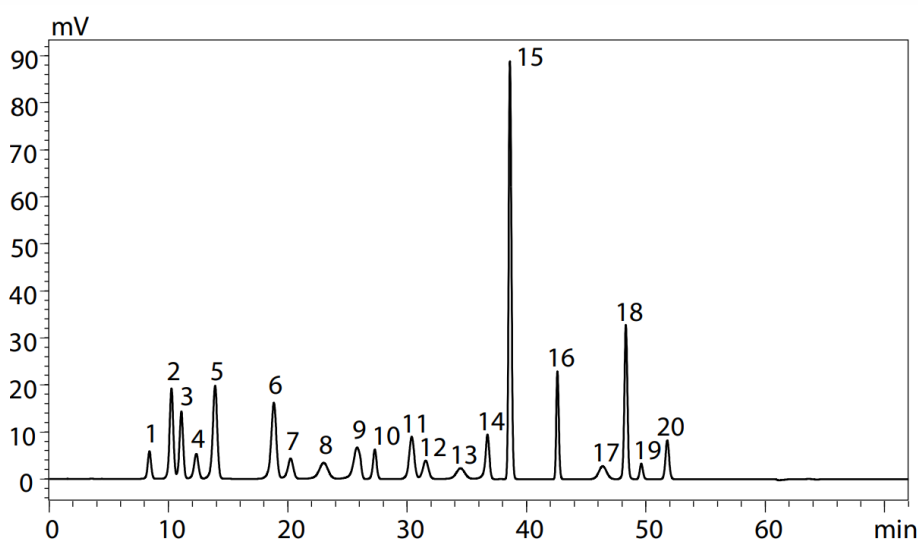
Ion-exchange

Shim-pack Series

Shim-pack™ Amino-Na

**Analysis of Proteinogenic Amino Acids
under Na Type Condition**

Keywords: post-column derivatization, OPA, α -phthalaldehyde, protein hydrolysate



1. Aspartic Acid
 2. Threonine
 3. Serine
 4. Glutamic Acid
 5. Proline
 6. Glycine
 7. Alanine
 8. Cystine
 9. Valine
 10. Methionine
 11. Isoleucine
 12. Leucine
 13. Tyrosine
 14. Phenylalanine
 15. γ -Aminobutyric acid (GABA)
 16. Histidine
 17. Tryptophan
 18. Lysine
 19. Ammonia
 20. Arginine
- (each 0.1 μ mol/L)

System	: Nexera™ Post-Column Amino Acid Analysis System
Column	: Shim-pack Amino-Na (100 mm x 6.0 mm I.D., 5 μ m), P/N : 228-18837-91
Ammonia trap column	: Shim-pack ISC-30/S0504Na (50 mm x 4.0 mm I.D.), P/N : 228-14206-91
Mobile phase	: Amino Acid Mobile Phase Kits (Na type), P/N : 228-21195-94 Gradient elution
Flow rate	: 0.4-0.6 mL/min
Column temp.	: 60 °C
Injection vol.	: 10 μ L
Vial	: Shimadzu vials, LC, 1.5 mL, glass, P/N : 228-15652-92
Reaction reagent	: Amino Acid Reagent Kits, P/N : 228-21195-93
Flow rate of reagent	: 0.2 mL/min for each
Reaction temp.	: 60 °C
Detection	: Fluorescence, Ex. 350 nm Em. 450 nm

Source : Application News L568A ([JP](#), [ENG](#))

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