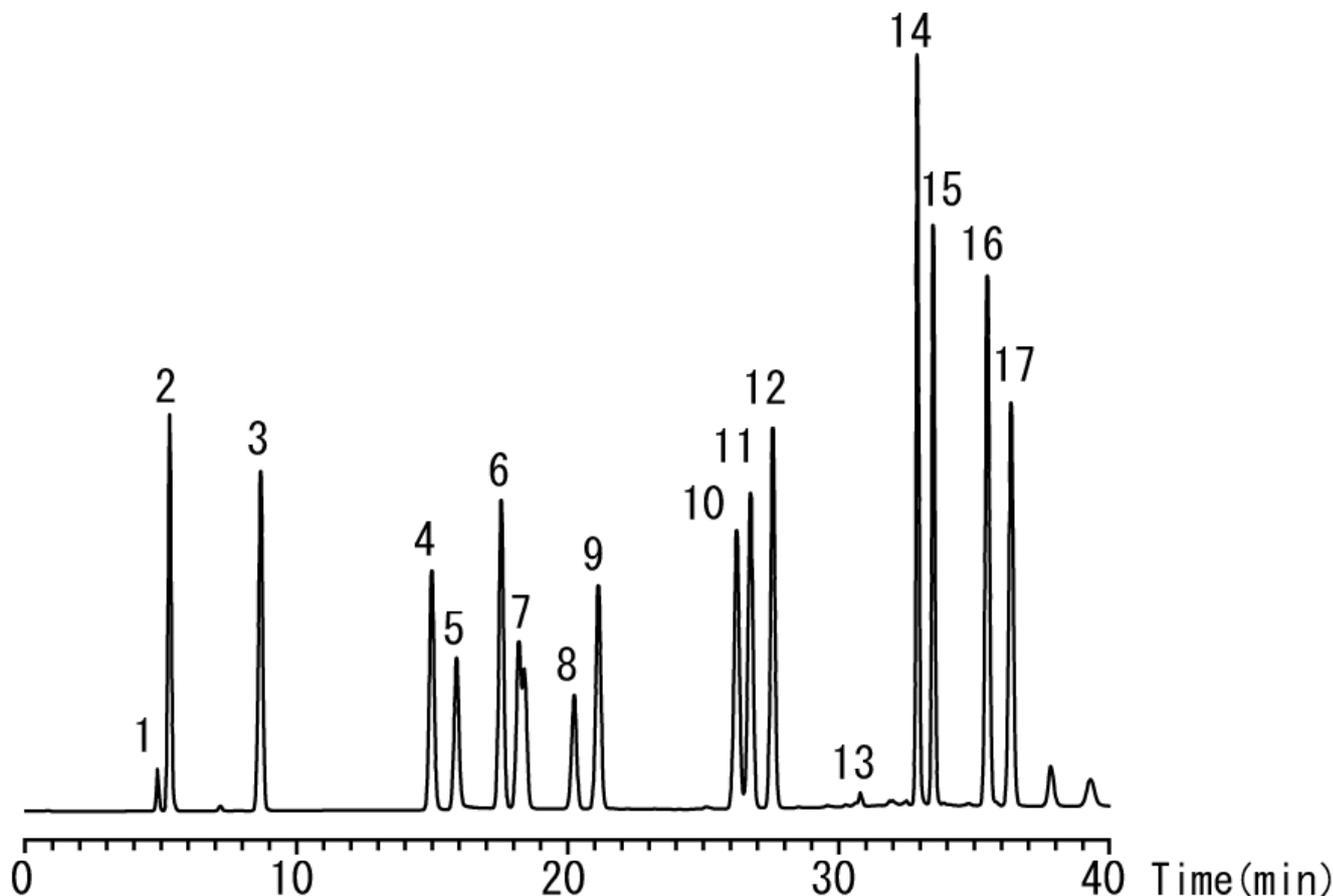


## Analysis of OPA-amino acid

Data No. LA668-0142



### Conditions

**System** : GL-7400 HPLC System  
**Column** : Inertsil ODS-3 (3 μm, 100 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-01775  
**Eluent** : A) CH<sub>3</sub>OH/50 mM Na<sub>2</sub>HPO<sub>4</sub>/50 mM NaH<sub>2</sub>PO<sub>4</sub>/THF  
= 100/450/450/10, v/v/v/v  
B) CH<sub>3</sub>OH/50 mM Na<sub>2</sub>HPO<sub>4</sub>/50 mM NaH<sub>2</sub>PO<sub>4</sub>  
= 600/200/200, v/v/v  
A/B = 100/0 – 25 min – 40/60 – 5 min  
– 0/100 – 10 min hold, v/v  
**Reaction Reagent** : OPA (Online Pre-Column Derivatization)  
**Flow Rate** : 1.2 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : FL Ex 340 nm Em 450 nm (GL-7453A FL Detector)  
**Injection Vol.** : 10 μL

### Analyte

OPA-Amino Acids Driv.

|                         |               |
|-------------------------|---------------|
| 1. Cystine (Cys)        | (2.5 nmol/mL) |
| 2. Aspartic acid (Asp)  | (2.5 nmol/mL) |
| 3. Glutamic acid (Glu)  | (2.5 nmol/mL) |
| 4. Serine (Ser)         | (2.5 nmol/mL) |
| 5. Histidine (His)      | (2.5 nmol/mL) |
| 6. Arginine (Arg)       | (2.5 nmol/mL) |
| 7. Methionine (Met)     | (2.5 nmol/mL) |
| 8. Glycine (Gly)        | (2.5 nmol/mL) |
| 9. Threonine (Thr)      | (2.5 nmol/mL) |
| 10. Alanine (Ala)       | (2.5 nmol/mL) |
| 11. GABA                | (2.5 nmol/mL) |
| 12. Tyrosine (Tyr)      | (2.5 nmol/mL) |
| 13. Proline (Pro)       | (2.5 nmol/mL) |
| 14. Valine (Val)        | (2.5 nmol/mL) |
| 15. Phenylalanine (Phe) | (2.5 nmol/mL) |
| 16. Isoleucine (Ile)    | (2.5 nmol/mL) |
| 17. Leucine (Leu)       | (2.5 nmol/mL) |