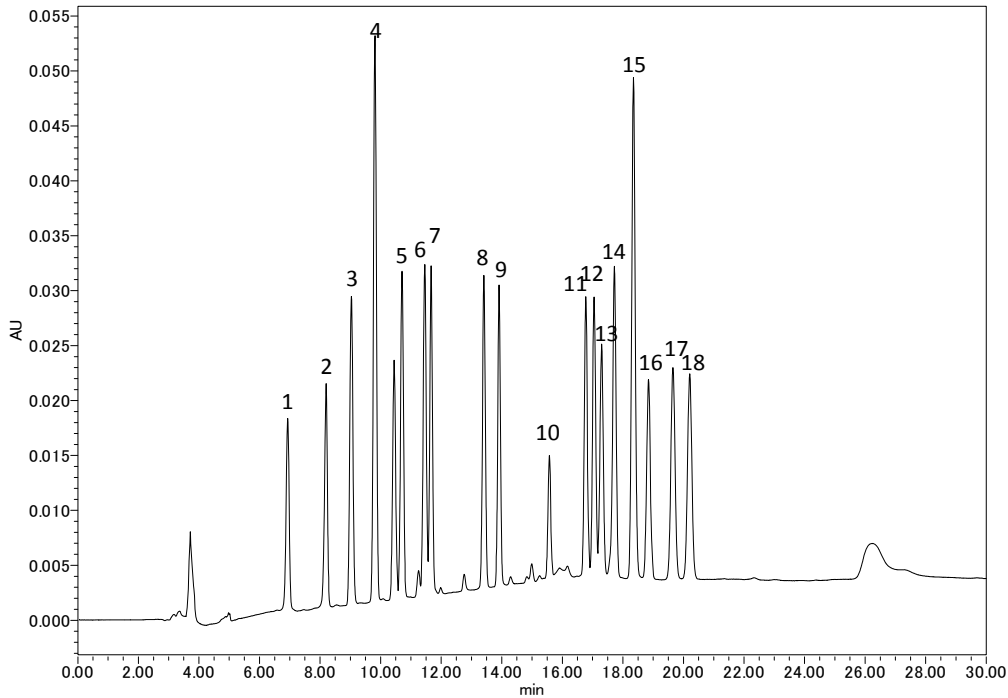


Develosil Application Data

No.079 PTH-Amino acids



Analytical Conditions:

Column: Develosil HSR C18,5um (4.6x250mm)

Mobile phase: A) 25mM NH₄H₂PO₄, pH2.0 Gradient

B) Acetonitrile

Flow rate: 0.7mL/min

Temperature: 40°C

Detection: UV254nm

Sample: 1. PTH-Histidine

2. PTH-Arginine

3. PTH-Asparagine

4. PTH-Glutamine

5. PTH-Aspartic acid

6. PTH-Glycine

7. PTH-Glutamic acid

8. PTH-Alanine

9. PTH-Tyrosine

10. PTH-Threonine

min	%A	%B	Curve
0.0	80	20	6
12.0	45	55	6
30.0	45	55	6
30.1	80	20	6

11. PTH-Methionine

12. PTH-Valine

13. PTH-Proline

14. PTH-Tryptophan

15. PTH-Lysine

16. PTH-Phenylalanine

17. PTH-Isoleucine

18. PTH-Leucine

※Each of the sample concentration is 10nmol/mL.

Injection volume: 20uL

System: Waters alliance