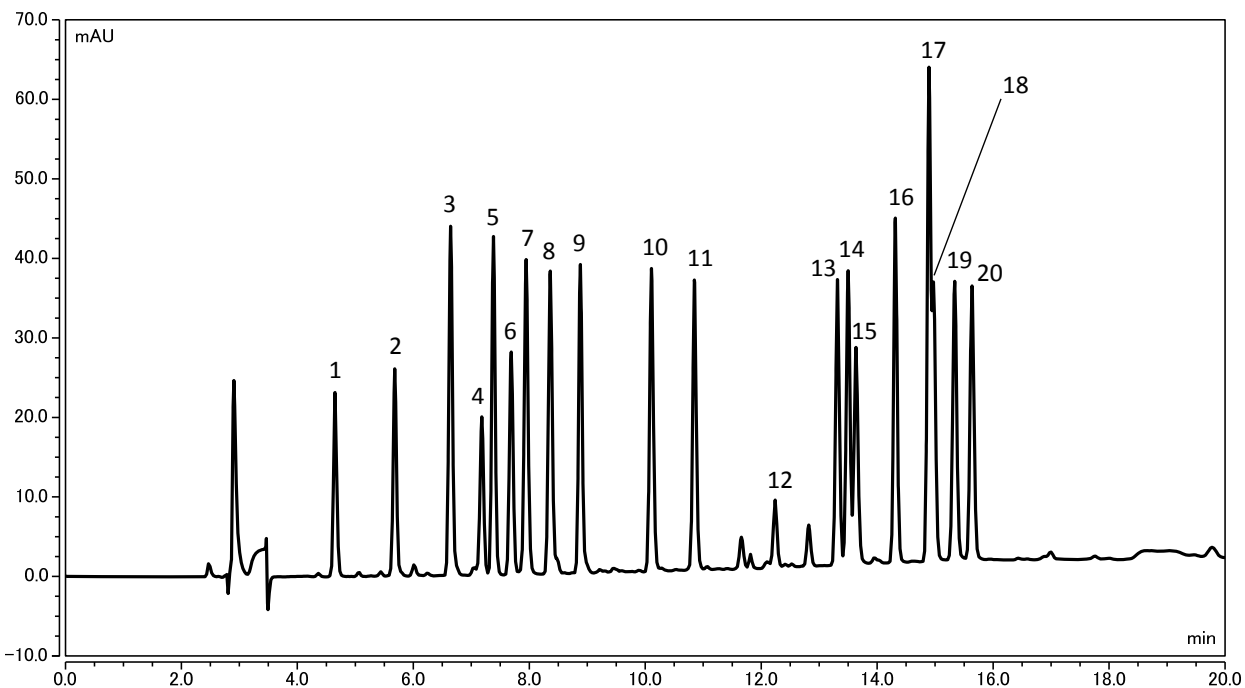


# Develosil® Application Data No.104

## “Analysis of PTH-Amino Acids”



### Analytical Conditions:

Column: Develosil HSR C18 Peptide, 3µm (2.0x250mm)  
 Mobile phase: A) Water + 0.1% HCOOH B) Acetonitrile + 0.1% HCOOH

### Gradient:

Time (min)	Flow (mL/min)	%B	Curve
0.0	0.2	20	5
12.0	0.2	55	5
30.0	0.2	55	5
30.1	0.2	20	5

Temperature: 50°C

Detection: UV260nm

Sample:

1.PTH-HISTIDINE 2.PTH-Arginine 3.PTH-Asparagine  
 4.PTH-Serine 5.PTH-Glutamine 6.PTH-Threonine  
 7.PYH-Aspartic acid 8.PTH-Glycine 9.PTH-Glutamic acid  
 10.PTH-Alanine 11.PTH-Tyrosine 12.PTH-Δ-Threonine  
 13.PTH-Methionine 14.PTH-Valine 15.PTH-Proline  
 16.PTH-Tryptophan 17.PTH-Lysine 18.PTH-Phenylalanine  
 19.PTH-Isoleucine 20.PTH-Leucine

※each 10nM/mL

Injection volume

2.0µL

System:

Thermo Fisher SCIENTIFIC Vanquish\_Horizon

Mixer volume:

10uL