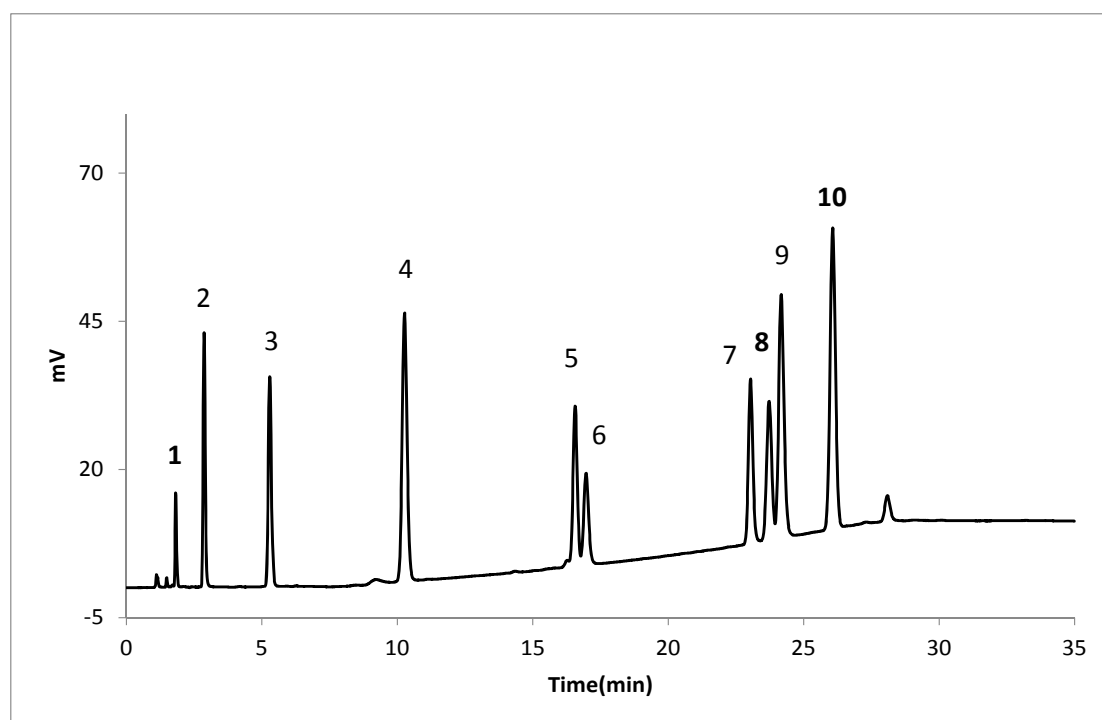


Develosil Application Data

No.069 Water-soluble vitamins/水溶性ビタミン



Analytical Conditions:

Column: Develosil HSR C18,5um (4.6x150mm)

Mobile phase: A)20mM $\text{NH}_4\text{H}_2\text{PO}_4$, pH3.0 ※containing 5mM $\text{CH}_3(\text{CH}_2)_5\text{SO}_3\text{Na}$
B)Methanol ※containing 5mM $\text{CH}_3(\text{CH}_2)_5\text{SO}_3\text{Na}$

Gradient: B)5%(0-5min), 5%-25%(5-25min), 25%(25-35min)

Flow rate: 1.0mL/min

Temperature: 40°C

Detection: UV210nm

Sample: 1.L(+)-Ascorbic acid (53ug/mL)

2.Nicotinic acid (17ug/mL)

3.Nicotinamide (15ug/mL)

4.Calcium (+)-pantothenate (0.41mg/mL)

5.Pyridoxine hydrochloride (17ug/mL)

6.Riboflavin sodium phosphate (53ug/mL)

7.Folic acid (21ug/mL)

8.(+)-Biotin (0.15mg/mL)

9.Tiamin hydrochloride (0.10mg/mL)

10.Cyanocobalamin (52ug/mL)

Injection volume: 5uL