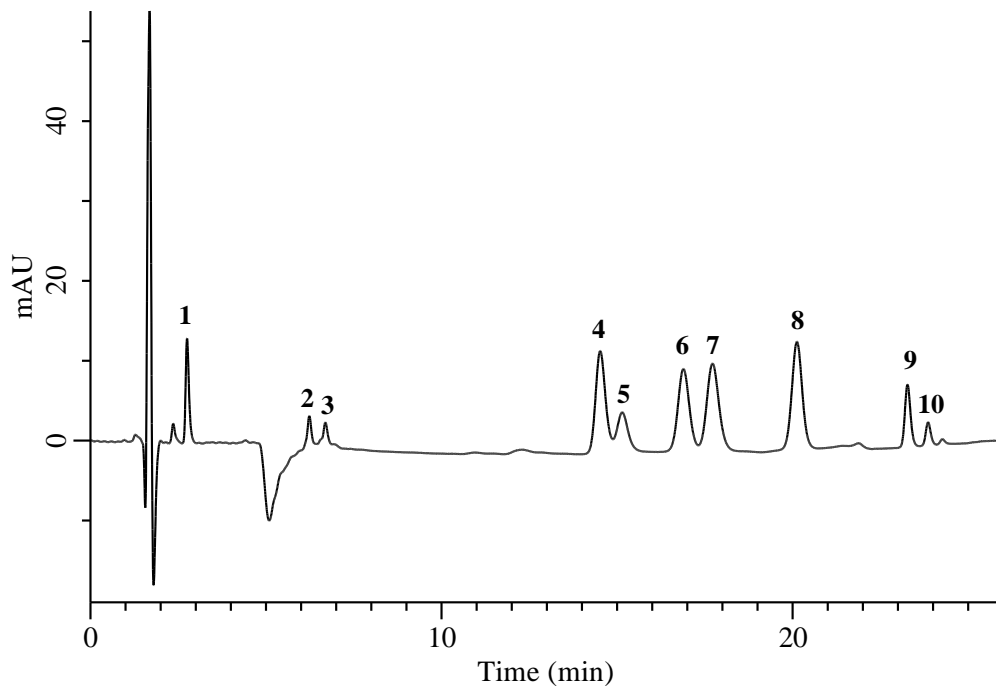


Analysis of Fat-soluble Vitamins



Conditions

System : Chromaster HPLC system (HITACHI)
Column : InertSustain C30 (GL Sciences Inc.)
 (5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-17144
Eluent : A) C₂H₅OH
 B) H₂O

Time (min)	A (vol%)	B (vol%)
0	60	40
2.5	60	40
2.6	80	20
16	80	20
23	100	0
25	100	0

Analyte:

1. Vitamin K3 10 μ g/mL
 2. Vitamin A 10 μ g/mL
 3. Vitamin A acetate 5 μ g/mL
 4. Vitamin E (δ -tocopherol) 100 μ g/mL
 5. Vitamin D3 5 μ g/mL
 6. Vitamin E (γ -tocopherol) 100 μ g/mL
 7. Vitamin E (β -tocopherol) 100 μ g/mL
 8. Vitamin E (α -tocopherol) 100 μ g/mL
 9. Vitamin E acetate 50 μ g/mL
 10. Vitamin K1 5 μ g/mL

Flow Rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 280 nm
Injection Vol. : 5 μ L
Sample : Standard