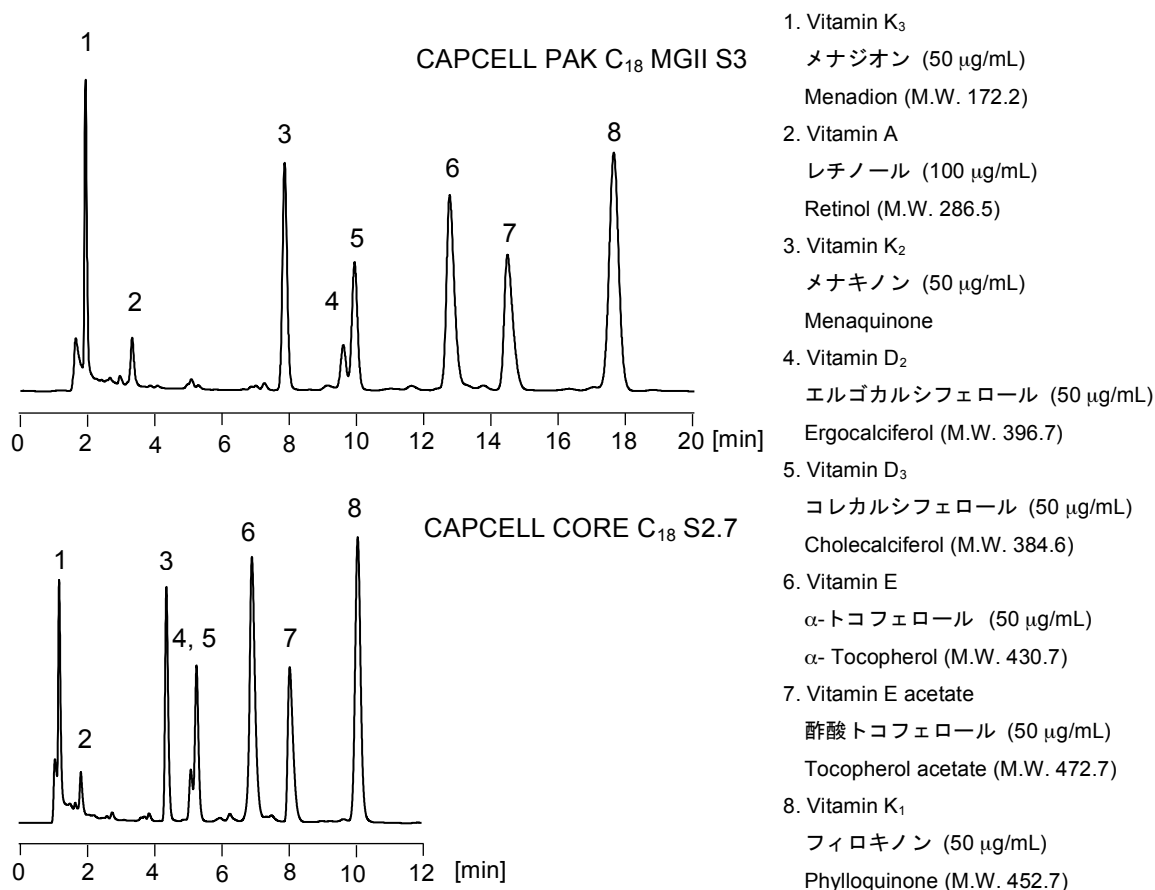


脂溶性ビタミン

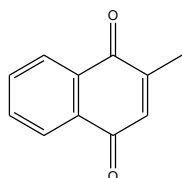
Fat-soluble vitamins

8成分の脂溶性ビタミンを CAPCELL PAK C₁₈ MGII S3 及び CAPCELL CORE C₁₈ S2.7 で分析した例を示します。CAPCELL CORE C₁₈ S2.7 を用いることで、分離を維持しながら、分析時間の短縮が可能です。

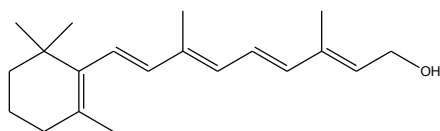


【HPLC Conditions】

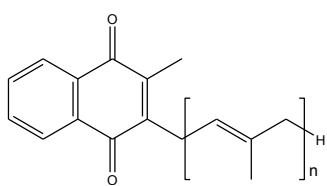
Column	: CAPCELL PAK C ₁₈ MGII S3 ; 2.0 mm i.d. x 150 mm : CAPCELL CORE C ₁₈ S2.7 ; 2.1 mm i.d. x 100 mm
Mobile phase	: CH ₃ CN
Flow rate	: 200 µL/min
Temperature	: 40 °C
Detection	: PDA 254 nm
Inj. vol.	: 2 µL
Sample dissolved in	: Vitamin K ₂ and vitamin E were separately dissolved in 2-propanol. Vitamin K ₃ , vitamin E acetate and vitamin D ₂ were separately dissolved in ethanol. The other compounds were dissolved in CH ₃ OH, and mixed together, diluted with CH ₃ CN at 50 or 100 µg/mL.



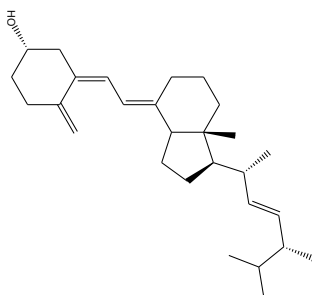
1. Vitamin K₃
 メナジオン (50 µg/mL)
 Menadiol (M.W. 172.2)



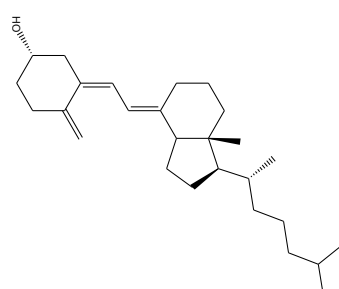
2. Vitamin A
 レチノール (100 µg/mL)
 Retinol (M.W. 286.5)



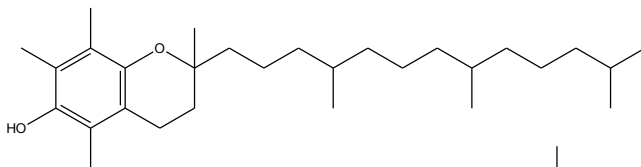
3. Vitamin K₂
 メナキノン (50 µg/mL)
 Menaquinone



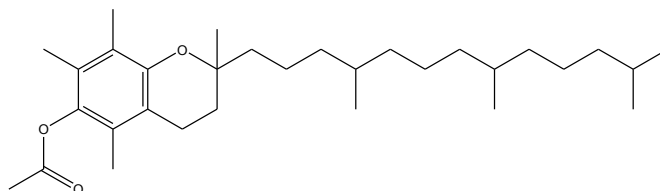
4. Vitamin D₂
 エルゴカルシフェロール (50 µg/mL)
 Ergocalciferol (M.W. 396.7)



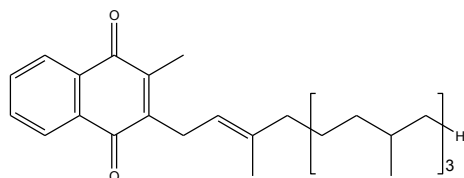
5. Vitamin D₃
 コレカルシフェロール (50 µg/mL)
 Cholecalciferol (M.W. 384.6)



6. Vitamin E
 α-トコフェロール (50 µg/mL)
 α-Tocopherol (M.W. 430.7)



7. Vitamin E acetate
 酢酸トコフェロール (50 µg/mL)
 Tocopherol acetate (M.W. 472.7)



8. Vitamin K₁
 フィロキノン (50 µg/mL)
 Phylloquinone (M.W. 452.7)