

Fat Soluble Vitamins
Ultra II® C18

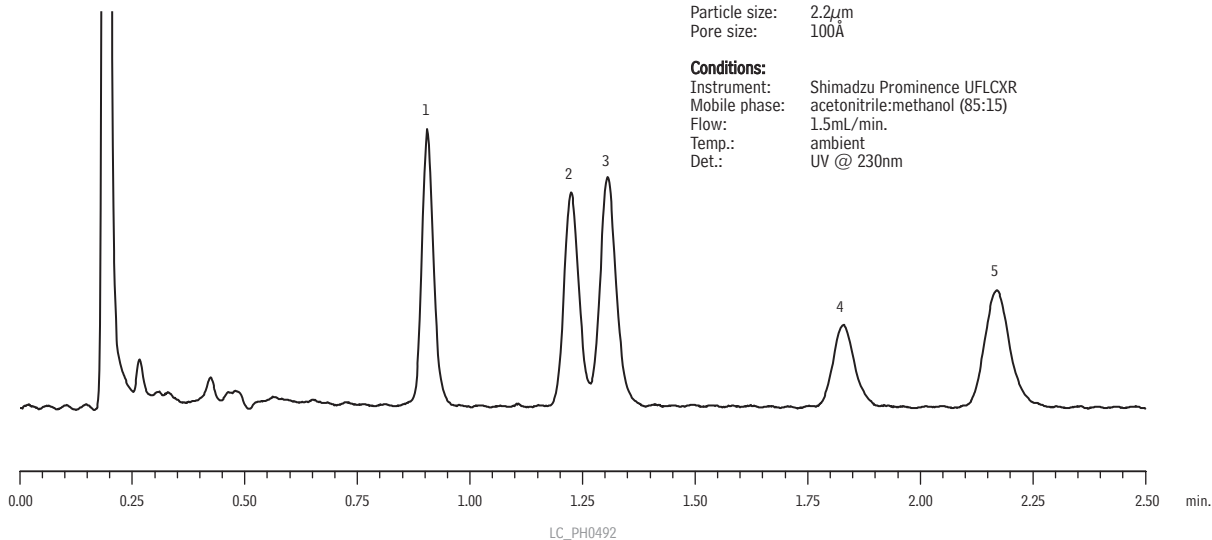


Peak List	Ret. Time (min.)
1. vitamin K2	0.905
2. vitamin D2	1.224
3. vitamin D3	1.305
4. vitamin E acetate	1.828
5. vitamin K1	2.169

Sample:
Inj.: 1µL
Conc.: 100µg/mL each component
Sample diluent: acetone

Column: Ultra II® C18
Cat.#: 9604853
Dimensions: 50mm x 3.0mm
Particle size: 2.2µm
Pore size: 100Å

Conditions:
Instrument: Shimadzu Prominence UFLCXR
Mobile phase: acetonitrile:methanol (85:15)
Flow: 1.5mL/min.
Temp.: ambient
Det.: UV @ 230nm



Vitamins B1, B2, B3, and B6
Ultra C8



Peak List	Ret. Time (min.)
1. vitamin B ₃ (nicotinamide)	2.732
2. vitamin B ₆ (pyridoxine)	5.615
3. vitamin B ₂ (riboflavin)	8.719
4. vitamin B ₁ (thiamine)	19.004

Sample:
Inj.: 5µL
Conc.: 50µg/mL each component
Sample diluent: water:methanol (80:20)

Column: Ultra C8
Cat.#: 9103575
Dimensions: 250mm x 4.6mm
Particle size: 5µm
Pore size: 100Å

Conditions:
Instrument: Shimadzu Prominence UFLCXR
Mobile phase: 0.008M sodium 1-hexanesulfonate:methanol:glacial acetic acid: triethylamine (817.5:175:7.5:0.2)
Flow: 2.0mL/min.
Temp.: 50°C
Det.: UV @ 270nm

