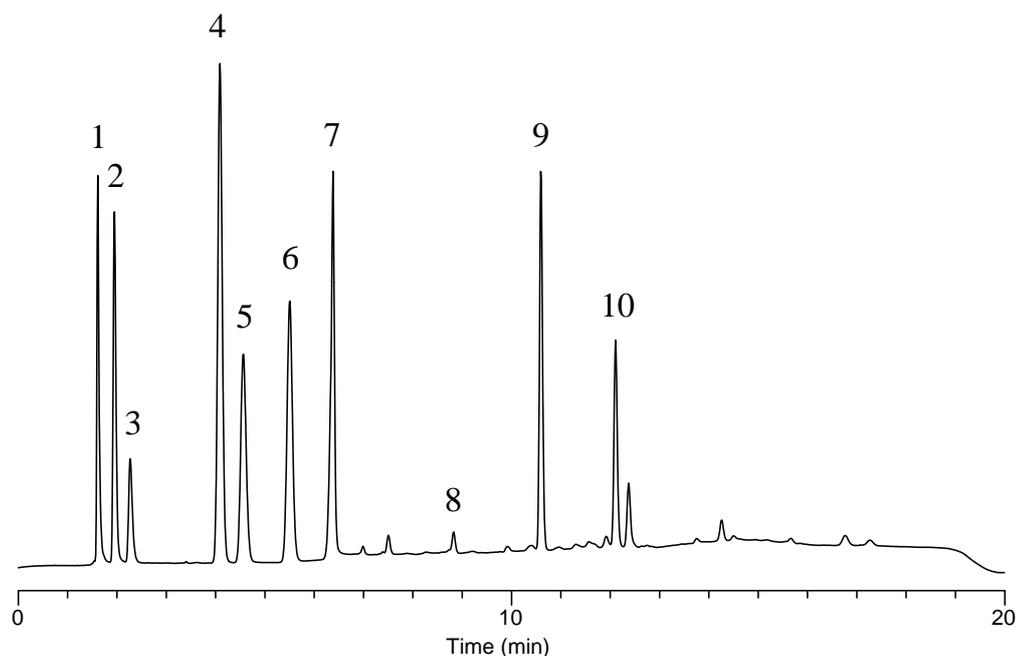


InertSearch™ for LC

Inertsil® Applications

Analysis of Water-soluble Vitamins

Data No. LB364-0848



Conditions

System : GL7700 HPLC system
Column : InertSustain AQ-C18
(5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-89730
Eluent : A) CH₃CN
B) 10 mM NaH₂PO₄ in H₂O (pH 2.5, H₃PO₄)

Time (min)	A (vol%)	B (vol%)
0.0	0.5	99.5
10.0	25	75
15.0	25	75
15.1	0.5	99.5
20.0	0.5	99.5

Flow Rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 210 nm (PD7752 PDA Detector)
Injection Vol. : 5 μ L
Sample : Standard

Analyte:

1. Ascorbic acid 100 mg/L
2. Pyridoxamine 20 mg/L
3. Thiamine 20 mg/L
4. Nicotinic acid 20 mg/L
5. Pyridoxal 20 mg/L
6. Nicotinamide 20 mg/L
7. Pyridoxine 20 mg/L
8. Pantothenic acid 100 mg/L
9. Folic acid 20 mg/L
10. Riboflavin 20 mg/L