

## Separation of water soluble Vitamins

**Method**  
HPLC

VFD0059J  
RP Mode

**Column:** ProntoSIL 120-3 C18 AQ, 250 x 3.0 mm ID

**Order No.** 25CF184PSG

**Phase:** ProntoSIL 120-3 C18 AQ

**Conditions:**

Eluent:	A: 50 mM H <sub>3</sub> PO <sub>4</sub> in Water B: Acetonitrile
Gradient:	0 – 3 min 100% A 3 – 6.66 min 100% – 70% A 6.66 – 10 min 70% A
Flow rate:	0.7 ml/min
Temperature:	25 °C
Volume:	5 µl

**Detection:** UV at 230 nm

**Substances:** Pyridoxamine, Thiamine (Vit. B<sub>1</sub>), Ascorbic acid (Vit. C), Nicotinic acid (Niacin), Nicotinamide (Vit. B<sub>3</sub>), Pyridoxale, Pyridoxine (Vit. B<sub>6</sub>), Folic acid, Cyanocobalamine (Vit. B<sub>12</sub>), Riboflavine (Vit. B<sub>2</sub>)

**Keywords:** Vitamins, water soluble Vitamins

### Chromatogram:

1. Pyridoxamine
2. Thiamine (Vit. B<sub>1</sub>)
3. Ascorbic acid (Vit. C)
4. Nicotinic acid
5. Nicotinamide (Vit. B<sub>3</sub>)
6. Pyridoxale
7. Pyridoxine (Vit. B<sub>6</sub>)
8. Folic acid,
9. Cyanocobalamine (Vit. B<sub>12</sub>)
10. Riboflavine (Vit. B<sub>2</sub>)

