

## Vitamin B1 chromatogram of endogenous level of human whole blood

**Column:** Luna® 5 µm C18(2) 100 Å, LC Column 50 x 3 mm, Ea

**Dimensions:** 50 x 3 mm ID

**Order No:** 00B-4252-Y0

**Elution Type:** Gradient

**Eluent A:** 25 mM Na<sub>2</sub>HPO<sub>4</sub> in water pH7.0

**Eluent B:** MeOH

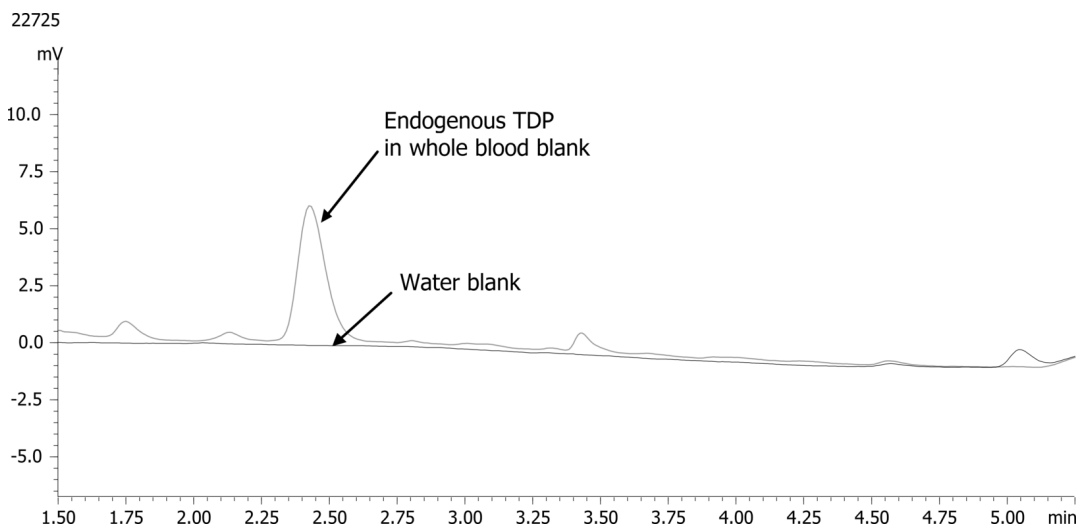
| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0.01       | 95    | 5     |
|                   | 2        | 1.8        | 85    | 15    |
|                   | 3        | 3.5        | 50    | 50    |
|                   | 4        | 4.5        | 50    | 50    |
|                   | 5        | 4.51       | 95    | 5     |
|                   | 6        | 6.5        | 95    | 5     |

**Flow Rate:** 600 mL/min

**Col. Temp.:** 28 °C

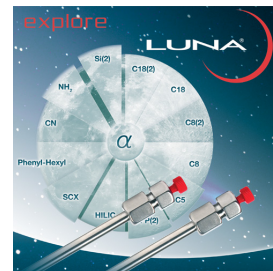
**Detection:** Fluorescence (FLUOR) @ (ambient)

**Detector Info:** Shimadzu RF-20A



### ANALYTES:

- 1 Thiamin Diphosphate (TDP)  
Retention Time: 2.42 min
- 2 Thiamin  
Retention Time: 2.86 min
- 3 Thiamin Monophosphate (TMP)  
Retention Time: 3.5 min



Products used in this application:

