

HPLC Application

ID No.: 22728

Vitamin B1 chromatogram of TDP in human whole blood_ULOQ

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 Na₂HPO₄ 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 |

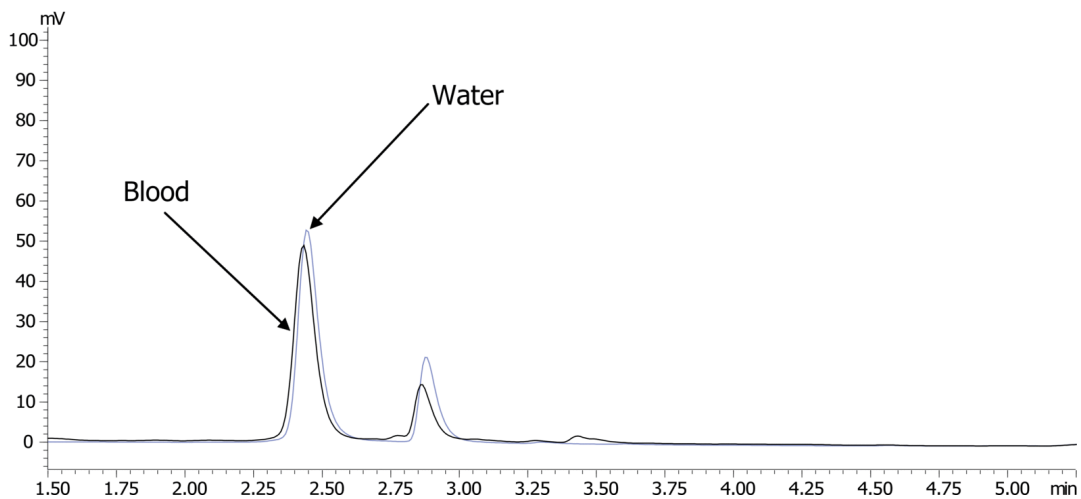
Flow Rate: 600 mL/min

Col. Temp.: 28 °C

Detection: Fluorescence (FLUOR) @ (ambient)

Detector Info: Shimadzu RF-20A

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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:

