

# HPLC Application

ID No.: 22727

## Vitamin B1 chromatogram of TDP in human whole blood\_STD 2

**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

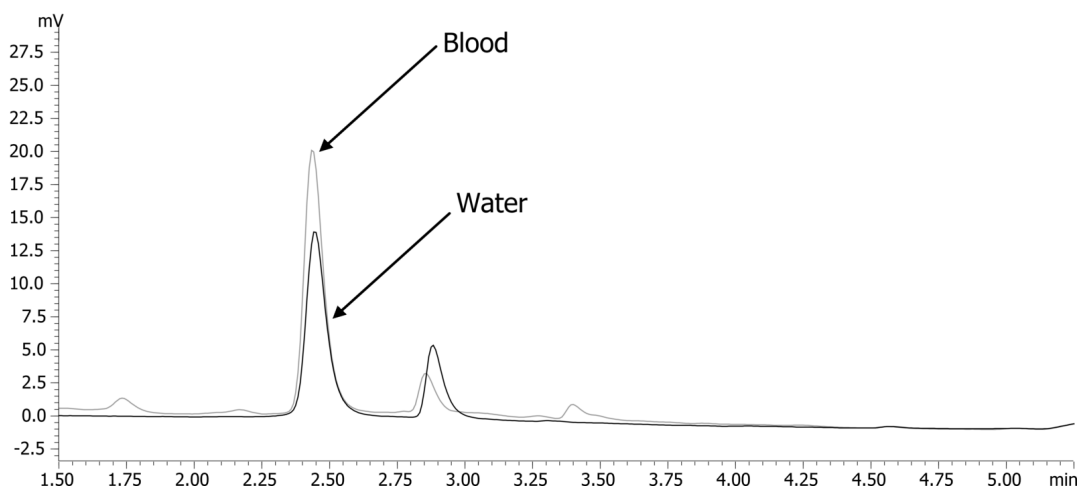
**Flow Rate:** 600 mL/min

**Col. Temp.:** 28 °C

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

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

22727



### 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:

