

# HPLC Application

ID No.: 21888

## PLP and PA in Human sera/plasma on Gemini-NX 3u, C18, 100x4.6 by HPLC w Fluorescence Detection-E

**Column:** Gemini® 3 µm NX-C18 110 Å, LC Column 100 x 4.6 mm, Ea

**Dimensions:** 100 x 4.6 mm ID

**Order No:** 00D-4453-E0

**Elution Type:** Gradient

**Eluent A:** 20mmol/L Na<sub>2</sub>HPO<sub>4</sub> + 1mL acetic acid in 1L DI Water

**Eluent B:** ACN : MeOH (70:30)

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 95    | 5     |
|                   | 2        | 5          | 40    | 60    |
|                   | 3        | 5.1        | 5     | 95    |
|                   | 4        | 6          | 95    | 5     |
|                   | 5        | 7          | 95    | 5     |

**Flow Rate:** 1 mL/min

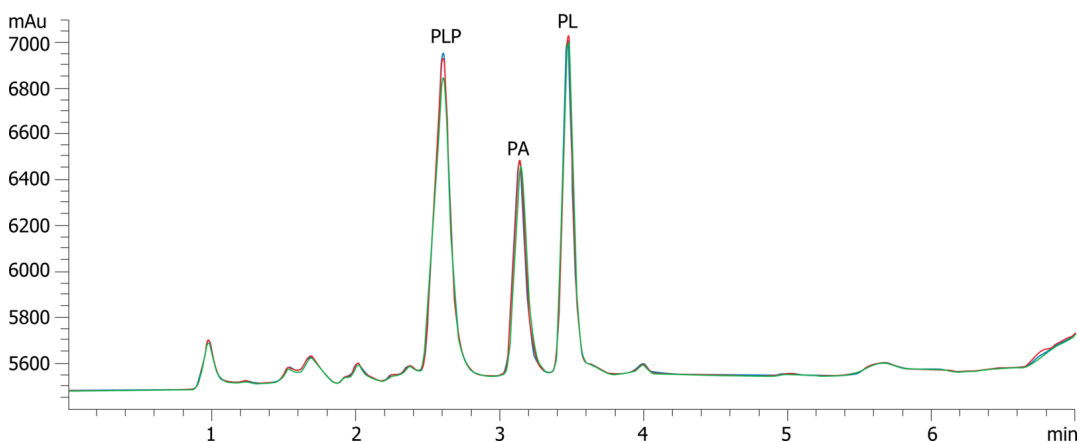
**Col. Temp.:** 35 °C

**Detection:** Fluorescence (FLUOR) @ Ex 360 nm (ambient)

**Detector Info:** Shimadzu RF-20A  
21888



Products used in this application:



### ANALYTES:

- 1 Pyridoxal 5'-phosphate  
Retention Time: 2.584 min
- 2 4-Pyridoxic acid  
Retention Time: 3.143 min
- 3 Pyridoxal  
Retention Time: 3.474 min

