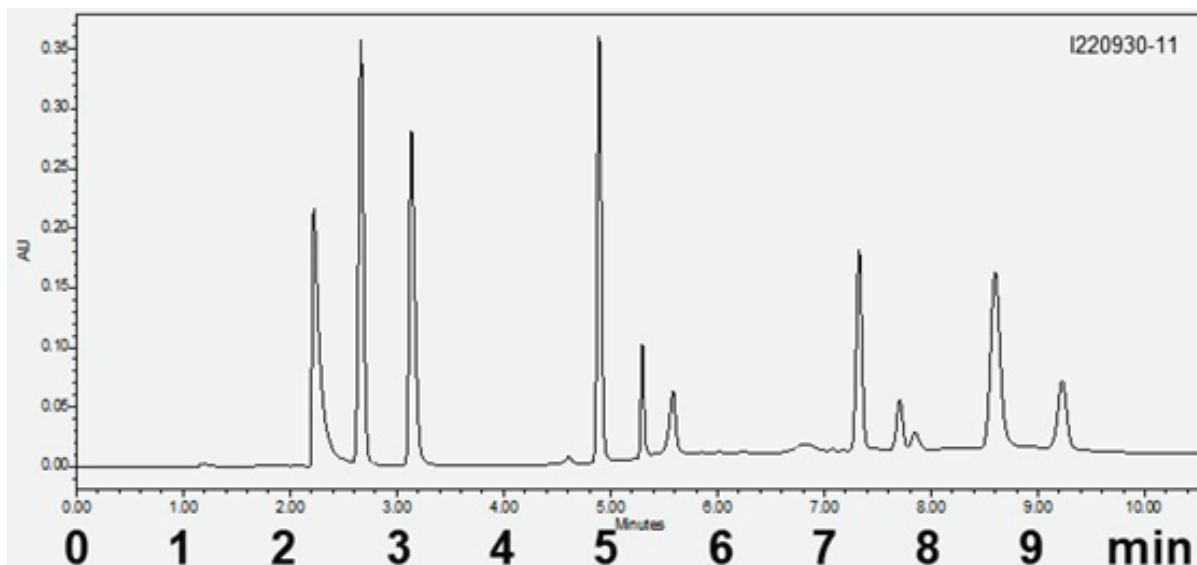


Separation of Nine B Vitamins on Gazelle Polar C18, 1.7 μm

Use: Use: Vital role in cell metabolism and synthesis of red blood cells



HPLC	Waters UPLC H-Class
Column	Gazelle Polar C18, 1.7 μm
Column Size	2.1 mm ID x 100 mm long
Temperature	40 °C
Detection	UV at 220 nm
Injection	4.0 μL
Mobile Phase Gradient	A: Methanol B: Water, 20 mM Potassium Phosphate (monobasic), pH3 Time A (%) B (%) 0.00 2 98 1.00 2 98 3.00 30 70
Flow Rate	0.2 mL/min
Sys. Press.	3140 psi

Thiamin (B1)	2.22 min
Niacin (B3)	2.66 min
Pyridoxine (B6)	3.14 min
Niacinamide (B3')	4.89 min
Calcium Pantothenate (B5)	5.36 min
Unknown	5.64 min
Folic Acid (B9)	7.33 min
Unknown	7.71 min
Biotin (B7)	7.85 min
Cyanobalamin (B12)	8.60 min
Riboflavin (B2)	9.23 min

