

# HPLC Application

ID No.: 19316

## 25-OH Vitamin D2 and D3 Control from Serum on Fully Porous 5µm C18 after PPT

**Column:** Luna® 5 µm C18(2) 100 Å, LC Column 50 x 2 mm, Ea  
**Dimensions:** 50 x 2 mm ID  
**Order No:** 00B-4252-B0  
**Elution Type:** Gradient  
**Eluent A:** 0.05 % formic acid  
**Eluent B:** 5 mM ammonium acetate + 0.1 % formic acid in methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	92	8
	2	5	92	8
	3	205	0	100
	4	290	0	100
	5	360	92	8

**Flow Rate:** 1 mL/min  
**Col. Temp.:** 35 °C  
**Detection:** Mass Spectrometer (MS) @ amu (ambient)

**Detector Info:** <a target="\_blank"

**Analyst Note:** href="https://sciex.com/products/mass-spectrometers?utm\_campaign=2019%20application%20search&utm\_source=phenomenex&utm\_medium=referral">SCIEX< SecurityGuard™ Guard Cartridge System extends column lifetime.

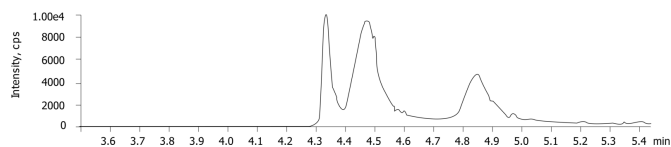
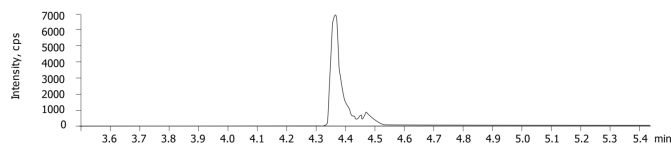
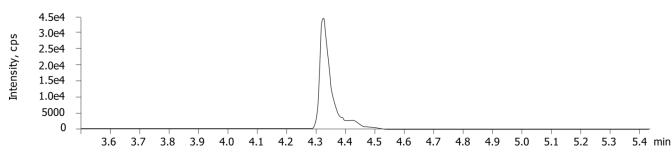
- SecurityGuard Cartridges, C18 4 x 2.0mm ID, 10/Pk Part No.: AJ0-4286
- Holder Part No.: KJ0-4282



Products used in this application:



19316



### ANALYTES:

- 1 25-Hydroxy vitamin D2 (25-OH D2)  
Retention Time: 0.83 min
- 2 25-Hydroxy vitamin D3-d6 (25-OH D3-d6)  
Retention Time: 0.83 min
- 3 25-Hydroxy vitamin D2 (25-OH D2)  
Retention Time: 0.86 min

