

25-Hydroxy Vitamin D in Serum by LC-MS/MS

ACE[®]
Ultra-inert
UHPLC & HPLC Columns

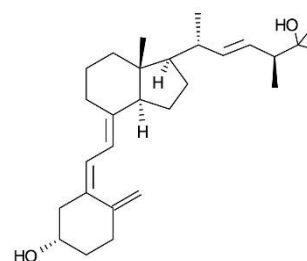
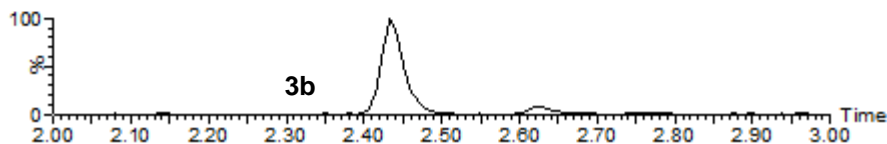
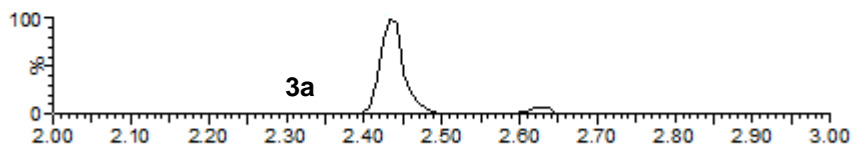
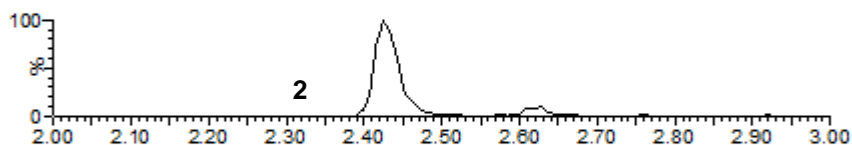
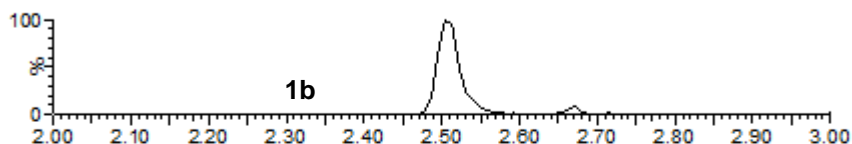
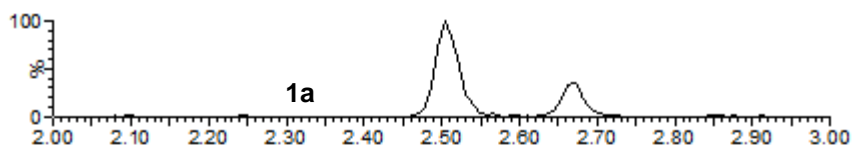
Application #AN2390

Conditions

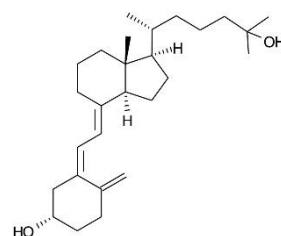
Column: ACE Excel 2 C18-PFP
Dimensions: 100 x 2.1 mm
Part Number: EXL-1010-1002U
Mobile Phase: A: 2 mM ammonium acetate, 0.1% formic acid in H₂O
B: 0.1% formic acid in MeOH

Time (mins)	%B
0.0	75
3.0	100
4.0	100

Flow Rate: 0.4 mL/min
Injection: 15 µL
Temperature: 40 °C
Detection: Quattro Premier XE triple quad MS
MRM positive ESI mode
Desolvation temperature: 450 °C
Ion source temperature: 150 °C



- 1a. 25-OH Vitamin D2
(*m/z* 395.5 → 269.5)
- 1b. 25-OH Vitamin D2
(*m/z* 395.5 → 119.2)
2. d6-25-OH Vitamin D3 (IS)
(*m/z* 389.6 → 263.5)



- 3a. 25-OH Vitamin D3
(*m/z* 383.5 → 257.5)
- 3b. 25-OH Vitamin D3
(*m/z* 383.5 → 107.2)

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