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

ACE®
Ultra-inert
UHPLC & HPLC Columns

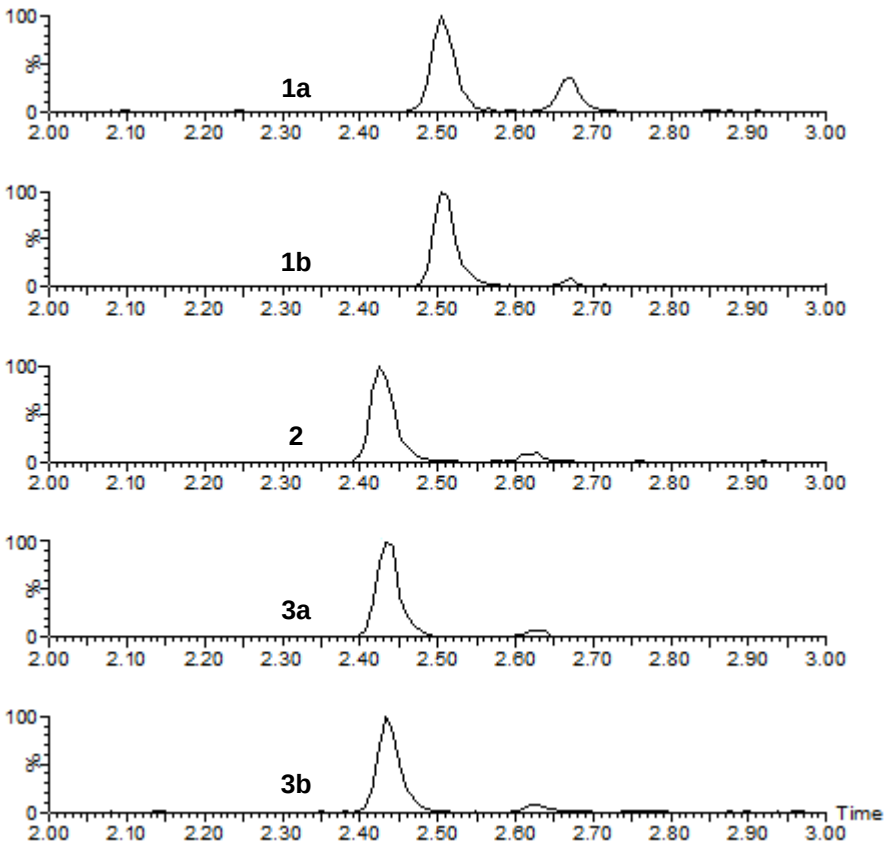
Application #AN2390

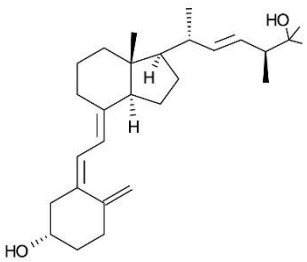
Conditions

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 H_2O B: 0.1% formic acid in MeOH

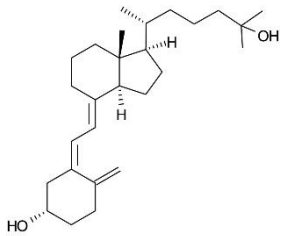
Time (mins)	%B
0.0	75
3.0	100
4.0	100

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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