Prednisolone, Prednisone, Cortisol and Cortisone in Serum by LC-MS/MS

ACE®
Ultra-inert
UHPLC & HPLC Columns

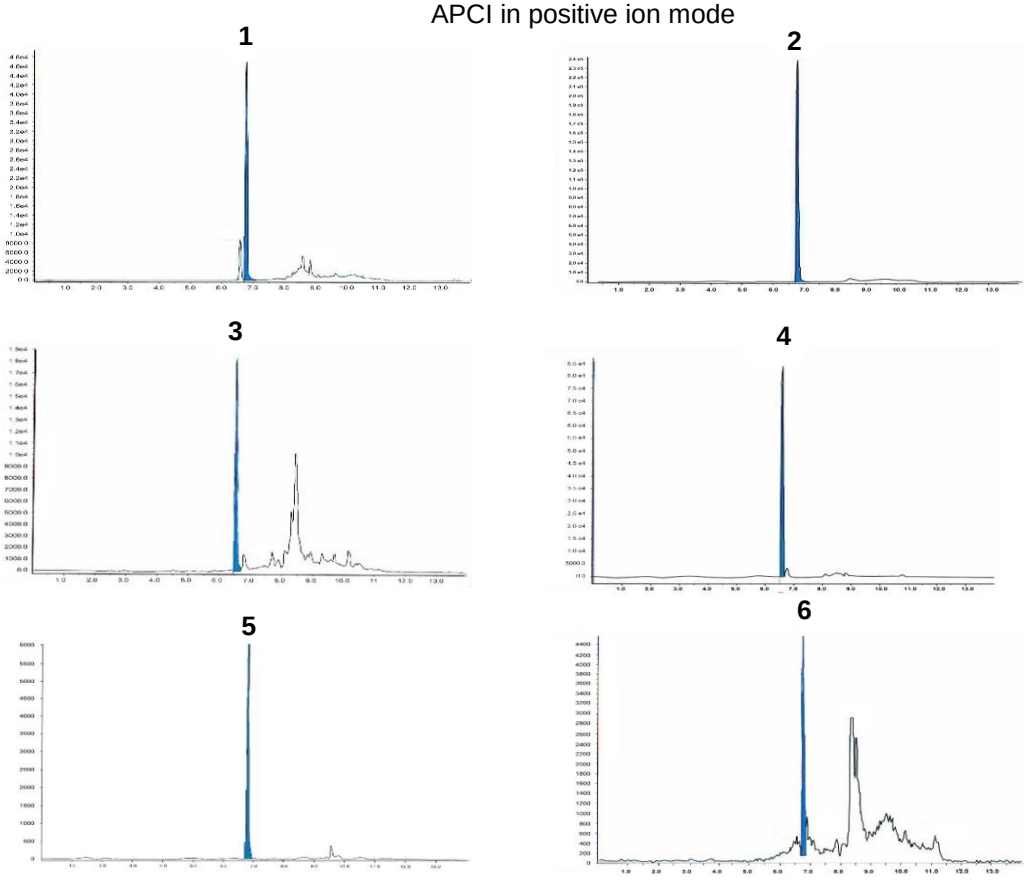
Application #AN2690

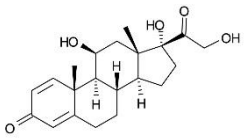
Conditions

Column:	ACE Excel 2 C18
Dimensions:	100 x 2.1 mm
Part Number:	EXL-101-1002U
Mobile Phase:	A: 4 mM ammonium acetate in H_2O
	B: 0.2% (v/v) formic acid in MeOH

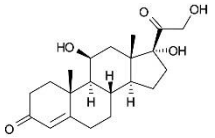
Time (mins)	%B
0.00	30
0.25	30
3.90	70
6.00	70
6.01	95
7.00	95
7.01	100

Flow Rate:	0.2 mL/min
Injection:	50 µL
Temperature:	50 °C
Detection:	Applied Biosystems 5000 MS/MS
	APCI in positive ion mode

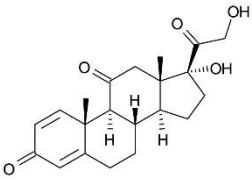




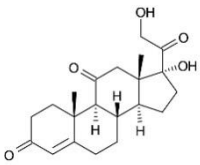
1. Prednisolone
(*m/z* 361.5 → 147.1)



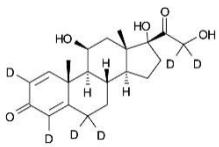
2. Cortisol
(*m/z* 363.5 → 121.3)



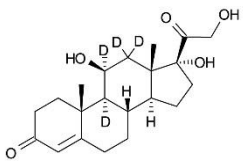
3. Prednisone
(*m/z* 359.4 → 147.1)



4. Cortisone
(*m/z* 361.5 → 163.3)



5. Prednisolone-d6 (IS)
(*m/z* 367.4 → 150.3)



6. Cortisol-d4 (IS)
(*m/z* 367.3 → 331.3)

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