

Conditions

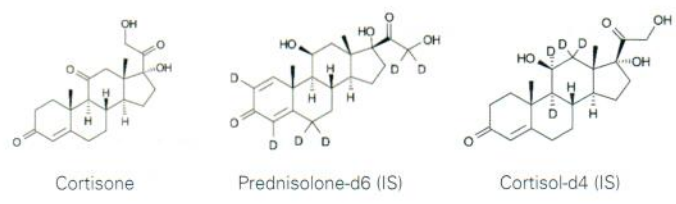
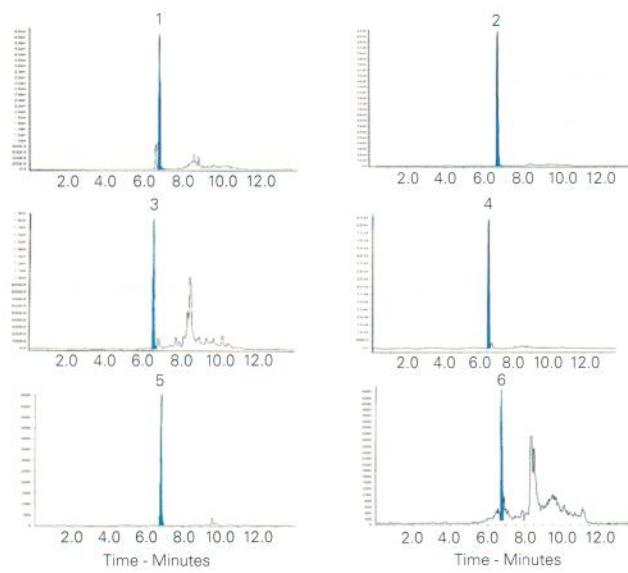
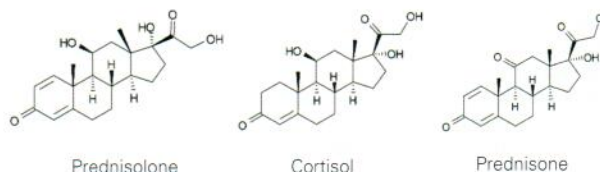
Column: ACE Excel 2 C18
Dimensions: 100 x 2.1 mm
Part Number: EXL-101-1002U
Mobile Phase: A: 4 mM ammonium acetate in H₂O
 B: 0.2% (v/v) formic acid in MeOH
Gradient:

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

Analytes

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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Preservatives (I)

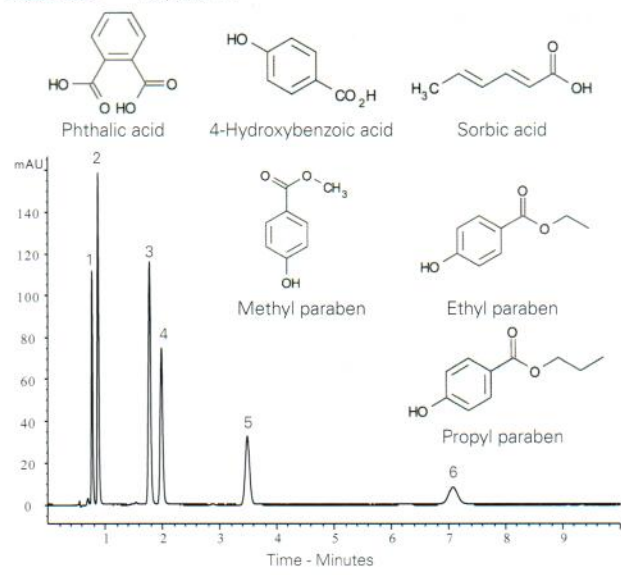
Application #AN2230

Conditions

Column: ACE Excel 1.7 C18
Dimensions: 50 x 3.0 mm
Part Number: EXL-171-0503U
Mobile Phase: 20 mM potassium phosphate
 pH 2.5 in MeCN/H₂O (30:70 v/v)
Flow Rate: 0.43 mL/min
Injection: 0.7 µL
Temperature: 20 °C
Detection: UV, 230 nm

Analytes

1. Phthalic acid
2. 4-Hydroxybenzoic acid
3. Sorbic acid
4. Methyl paraben
5. Ethyl paraben
6. Propyl paraben



Preservatives (II)

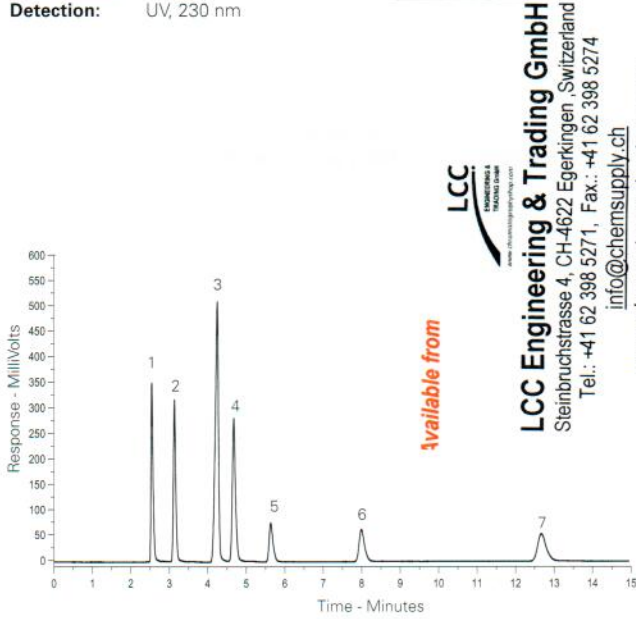
Application #AN3040

Conditions

Column: ACE 5 C18
Dimensions: 250 x 4.6 mm
Part Number: ACE-121-2546
Mobile Phase: MeCN/50 mM KH₂PO₄
 pH 4.4 in H₂O (40:60 v/v)
Flow Rate: 1 mL/min
Temperature: Ambient
Detection: UV, 230 nm

Analytes

1. Phthalic acid
2. p-Hydroxybenzoic acid
3. Benzoic acid
4. Sorbic acid
5. Methyl paraben
6. Ethyl paraben
7. Propyl paraben



available from

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