Steroids used in hormone replacement therapies

Application Note

Clinical Research

Authors
Agilent Technologies, Inc.

Introduction
Agilent Pursuit PFP columns are ideal for the HPLC analysis of steroids when developing drugs.
**Conditions**

Column: Agilent Pursuit PFP, 4.6 x 150 mm 5 μm  
Part No. A3050150X046

Mobile Phase: Acetonitrile: Water + 0.1% HCOOH, 40:60

Flow Rate: 0.8 mL/min

Temperature: Ambient

Detection: 220 nm

Injection Vol.: 5 μL

Sample Concentration: 1 mg/mL all components

Solvent Sample: Water

**Peak identification**

1. norethindrone
2. 17-α-ethynylestradiol
3. d (-)- norgestrel
4. progesterone
5. 19-norethindrone acetate