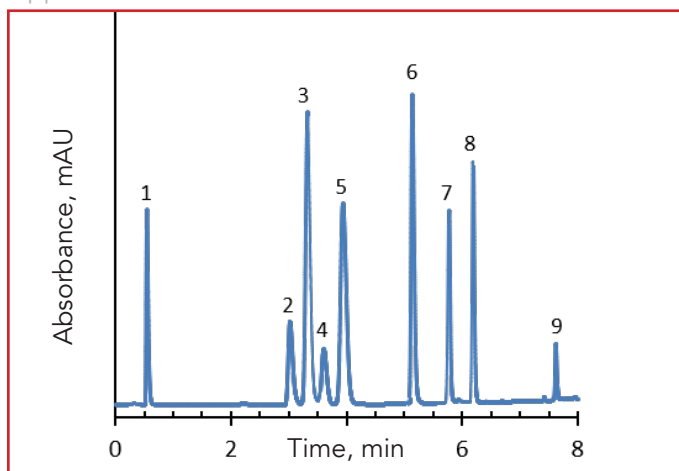




Separation of Steroids on HALO® PFP, 2.0 µm

Application Note 116-STR



PEAK IDENTITIES:

1. Uracil
2. Hydrocortisone
3. Prednisolone
4. Cortisone
5. Prednisone
6. Dexamethasone
7. β -Estradiol
8. Estrone
9. Halcinonide

HALO® PFP, 2.0 µm is useful in the separation of closely related steroids. Even though this separation was run on a system with 14 µL of extra column volume, there is sufficient efficiency with a HALO® 2.0 µm column to separate the first four steroids during the isocratic hold at the beginning of the run.

TEST CONDITIONS:

Column: HALO 90 Å PFP, 2.0 µm,
3.0 x 50 mm

Part Number: 91813-409

Mobile Phase:

A: Water

B: Methanol

Gradient: Time (min)	% B
0.0	47
3.0	47
8.0	88

Flow Rate: 0.4 mL/min

Pressure: 180 bar

Temperature: 35 °C

Detection: UV 280 nm, VWD

Injection Volume: 2.0 µL

Sample Solvent: Methanol

Response Time: 0.02 sec

Flow Cell: 2.5 µL semi-micro

LC System: Shimadzu Prominence UFLC XR

Extra Column Volume: ~14 µL

STRUCTURES:

