

# HPLC Application

ID No.: 26509

## Steroid mix on Luna Omega 3 µm C18 150x4.6mm (Batch 3) using Agilent 1260 UHPLC System

**Column:** Luna® Omega 3 µm C18 100 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4784-E0

**Elution Type:** Gradient

**Eluent A:** 0.1% Formic Acid in Water

**Eluent B:** 0.1% Formic Acid in Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	80	20
	2	1.5	80	20
	3	16.5	55	45
	4	19.5	55	45
	5	22.5	80	20
	6	25	80	20

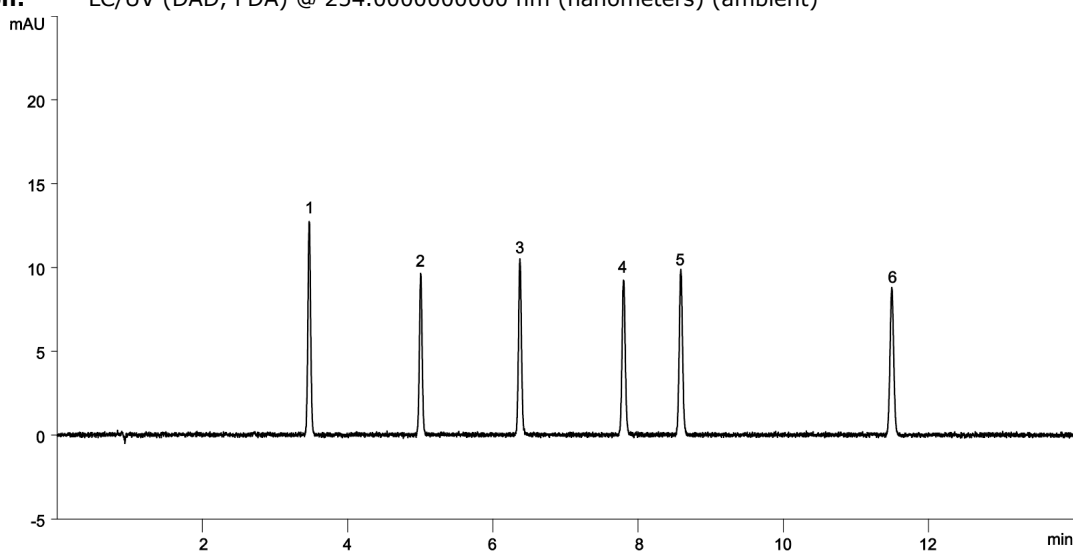
**Flow Rate:** 2 mL/min

**Col. Temp.:** 30 °C

**Detection:** LC/UV (DAD, PDA) @ 254.000000000 nm (nanometers) (ambient)



Products used in this application:



### ANALYTES:

- 1** Hydrocortisone  
Retention Time: 3.475 min
- 2** Dexamethasone  
Retention Time: 5.012 min
- 3** 11-alpha-hydroxyprogesterone  
Retention Time: 6.378 min
- 4** 21-hydroxyprogesterone  
Retention Time: 7.808 min
- 5** 17-alpha-hydroxyprogesterone  
Retention Time: 8.597 min
- 6** Progesterone  
Retention Time: 11.505 min

