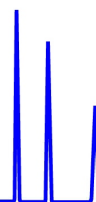




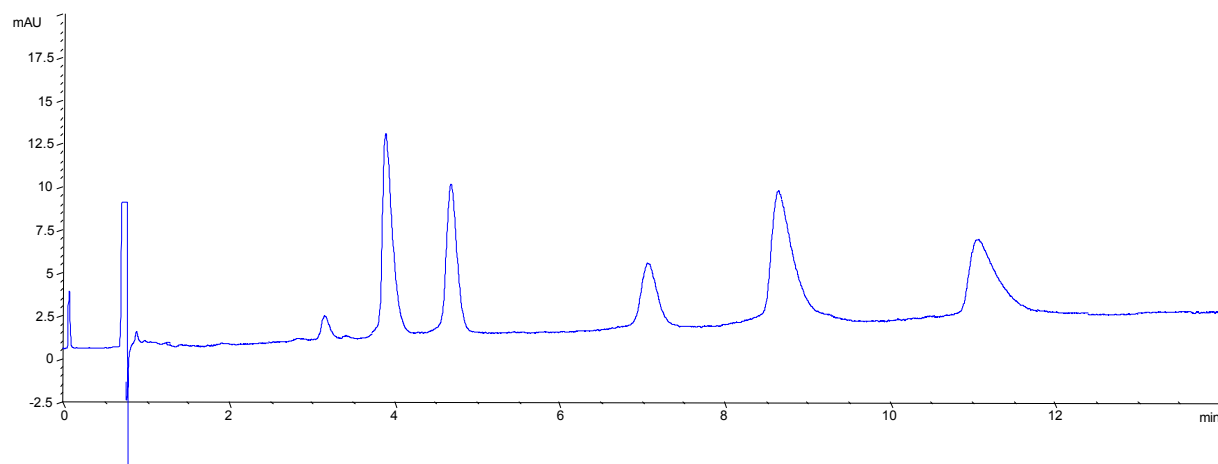
ZirChrom®

# Technical Bulletin #244



... For Peak Performance

## Separation of a Steroid and its Metabolites on ZirChrom®-CARB



Compound	Tr	Area	Height	k'	a [n/(n-1)]	Tailing Factor	Calc. Plates	Calc. Rs
A	3.371	14.1	2.6	1.86	N/A	1.47	8736	N/A
B	4.505	87.2	8.6	2.83	1.52	2.38	4463	4.20
C	5.247	72.6	8.8	3.46	1.22	1.54	9145	3.38
D	7.661	55.8	4.7	5.51	1.59	1.54	9414	7.64
E	9.955	125.9	6.2	7.46	1.35	1.92	5433	4.25
F	11.542	75.5	3.7	8.81	1.18	1.72	7233	2.92

### LC Conditions

Column: ZirChrom®-CARB, 100 x 4.6 mm

Mobile Phase: 20/30/30/20 A/B/C/D

A: ACN

B: MeOH

C: THF

D: Water

Flow rate: 1.0 mL/min.

Temperature: 60 °C

Injection volume: 5 µL

Detection: 200 nm

