

# HPLC Application

ID No.: 19801

## Barbiturates Mix on Kinetex 1.7u XB-C18 50x2.10mm using Waters Acquity UPLC System

**Column:** Kinetex® 1.7 µm XB-C18 100 Å, LC Column 50 x 2.1 mm, Ea

**Dimensions:** 50 x 2.1 mm ID

**Order No:** 00B-4498-AN

**Elution Type:** Isocratic

**Eluent A:** 5mM Ammonium Acetate pH 6.7

**Eluent B:** Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	7	85	15

**Flow Rate:** 0.9 mL/min

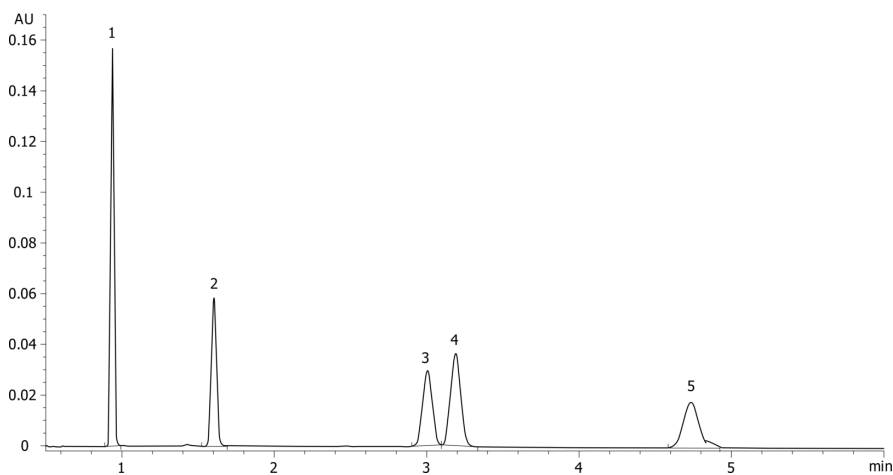
**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 214 nm (ambient)

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Products used in this application:



### ANALYTES:

- 1 Phenobarbital**  
Retention Time: 0.9 min
- 2 Butalbital**  
Retention Time: 1.555 min
- 3 Pentobarbital**  
Retention Time: 2.915 min
- 4 Amobarbital**  
Retention Time: 3.082 min
- 5 Secobarbital**  
Retention Time: 4.548 min

