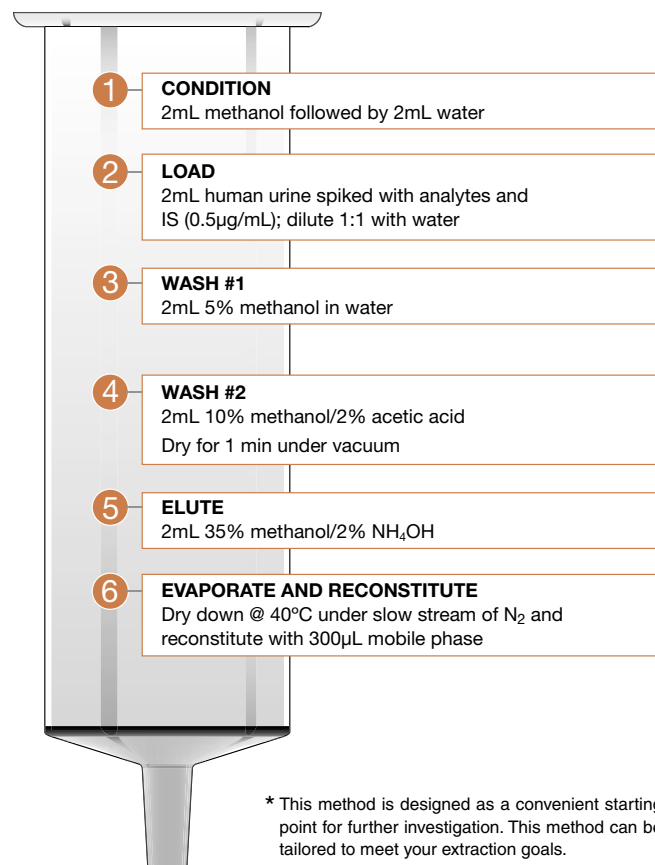


Barbiturates Extracted from Urine Using strata™ X-C

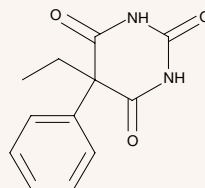
Strata Method* strata-X-C 60mg/3mL



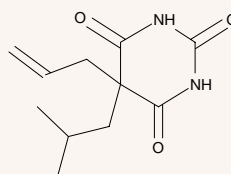
Ordering Information

Order Number	Description
8B-S029-TAK-TN	strata-X-C 30mg/1mL Tubes (100/Box)
8B-S029-UBJ-TN	strata-X-C 60mg/3mL Tubes (50/Box)
8B-S029-FBJ-TN	strata-X-C 200mg/3mL Tubes (50/Box)
8B-S029-HBJ-TN	strata-X-C 500mg/3mL Tubes (50/Box)
8B-S029-ECH-TN	strata-X-C 100mg/6mL Tubes (30/Box)
8B-S029-FCH-TN	strata-X-C 200mg/6mL Tubes (30/Box)
8B-S029-HCH-TN	strata-X-C 500mg/6mL Tubes (30/Box)
8B-S029-EDG-TN	strata-X-C 100mg/12mL GigaTubes (20/Box)
8B-S029-HDG-TN	strata-X-C 500mg/12mL Giga Tubes (20/Box)
8B-S029-JDG-TN	strata-X-C 1000mg/12mL GigaTubes (20/Box)
8E-S029-AGB-TN	strata-X-C 96-Well Plate 10mg/well (2/Box)
8E-S029-TGB-TN	strata-X-C 96-Well Plate 30mg/well (2/Box)
8E-S029-UGB-TN	strata-X-C 96-Well Plate 60mg/well (2/Box)

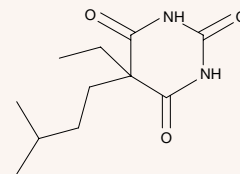
Phenobarbital



Butalbital

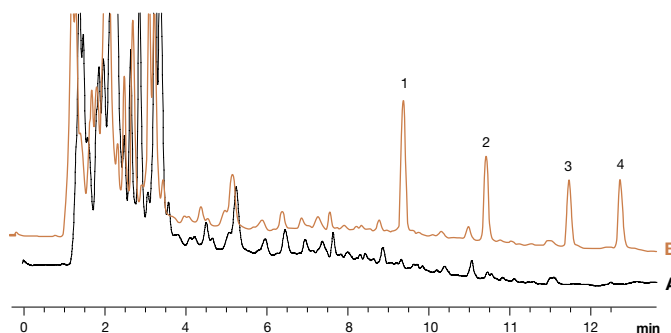


Amobarbital



HPLC chromatograms of urine extracts:

A) blank B) spiked sample



HPLC Analysis Conditions:

Column: Synergi™ Max-RP, 4µ, 150 x 4.6mm (Order No. 00F-4337-E0-TN)
Sample: 50µL of reconstituted urine extract
Mobile Phase: A: 20mM KH₂PO₄ (pH 7.0); B: acetonitrile
Gradient: A/B (80:20) hold 3 min, to A/B (50:50) in 12 min
Flow rate: 1.0mL/min
Temperature: 25°C
Detection: UV @ 214nm
Peaks:
 1. Phenobarbital
 2. Butalbital
 3. Amobarbital
 4. Secobarbital (IS)

Results

Analyte	Concentration (µg/mL)	% Recovery	% RSD (n=3)
Phenobarbital	0.5	101	2.7
Butalbital	0.5	103	1.66
Amobarbital	0.5	100	2.66

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