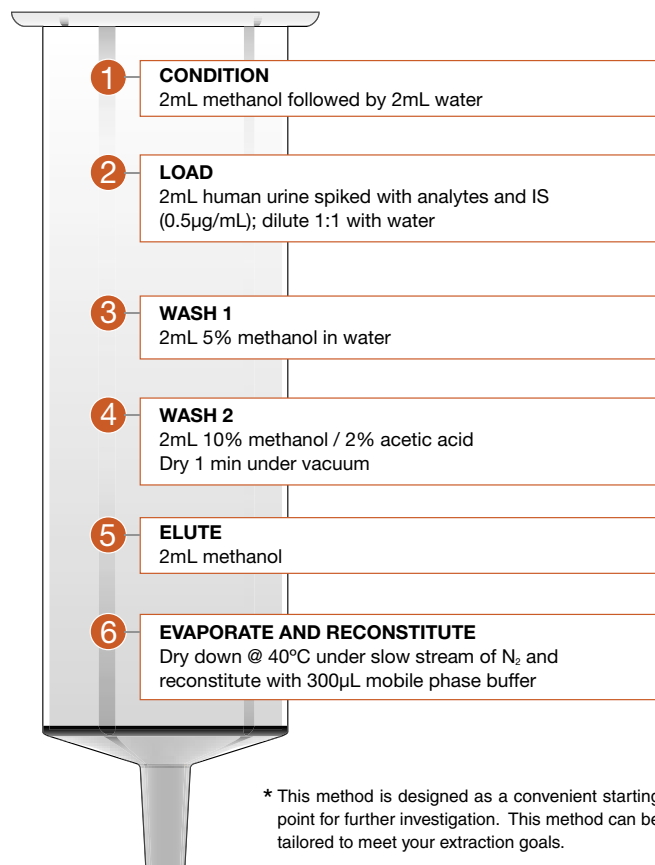


Barbiturates Extracted from Urine using Strata™ Screen-C

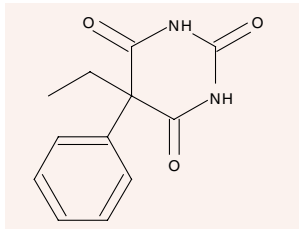
Strata Method* Strata Screen-C 150mg/6mL



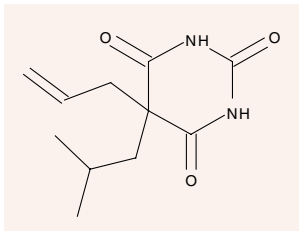
Ordering Information

Order Number	Description
8B-S016-EAK-TN	Screen-C 100mg/1mL Tubes (100/Box)
8B-S016-EBJ-TN	Screen-C 100mg/3mL Tubes (50/Box)
8B-S016-SBJ-TN	Screen-C 150mg/3mL Tubes (50/Box)
8B-S016-FBJ-TN	Screen-C 200mg/3mL Tubes (50/Box)
8B-S016-RBJ-TN	Screen-C 300mg/3mL Tubes (50/Box)
8B-S016-SCH-TN	Screen-C 150mg/6mL Tubes (30/Box)
8B-S016-RCH-TN	Screen-C 300mg/6mL Tubes (30/Box)
8B-S016-HCH-TN	Screen-C 500mg/6mL Tubes (30/Box)
8E-S016-CGB-TN	Screen-C 96-Well Plate 25mg/well (2/Box)
8E-S016-DGB-TN	Screen-C 96-Well Plate 50mg/well (2/Box)

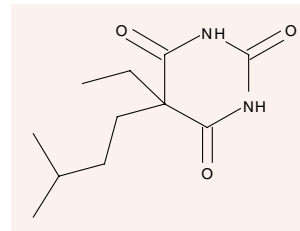
Phenobarbital



Butalbital

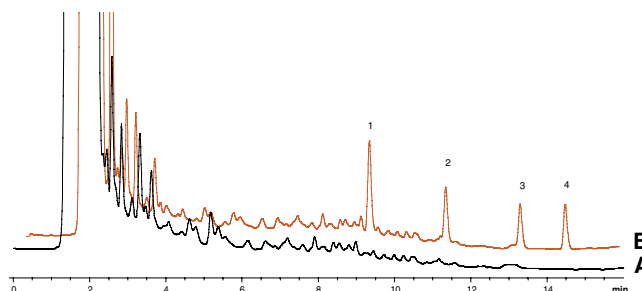


Amobarbital



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 KH ₂ PO ₄ (pH 7); 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
Detector:	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	3.3
Butalbital	0.5	107	5.4
Amobarbital	0.5	102	1.1

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