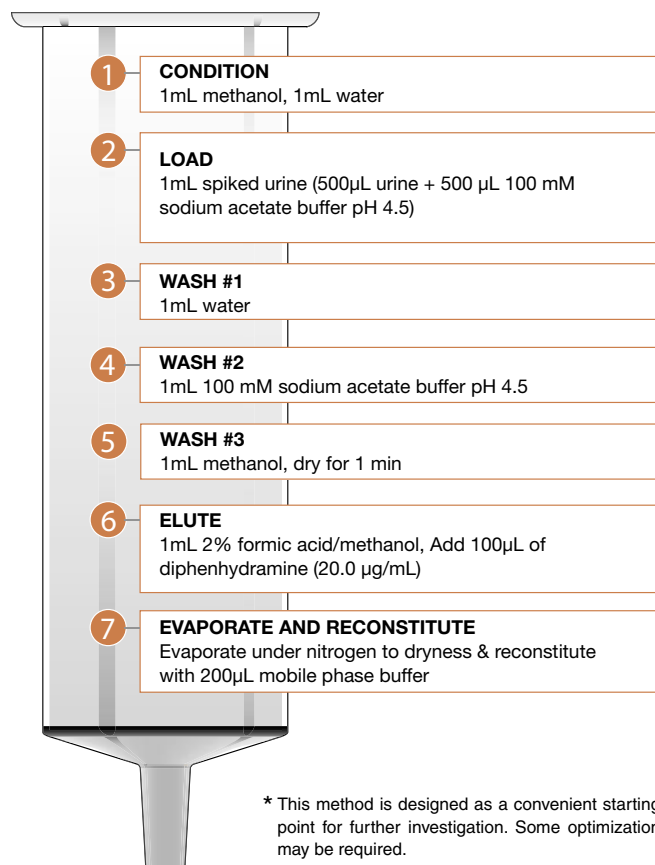


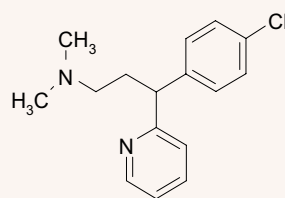
Extraction of Antihistamines using strata™ X-CW

Strata Method* strata-X-CW 30mg/1mL

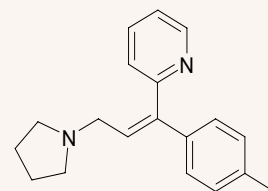


Order Number	Description
8B-S035-TAK-TN	strata-X-CW 30mg/1mL Tubes (100/Box)
8B-S035-UBJ-TN	strata-X-CW 60mg/3mL Tubes (50/Box)
8B-S035-FCH-TN	strata-X-CW 200mg/6mL Tubes (30/Box)
8B-S035-HCH-TN	strata-X-CW 500mg/6mL Tubes (30/Box)
8E-S035-AGB-TN	strata-X-CW 96-Well Plate 10mg/well (2/Box)
8E-S035-TGB-TN	strata-X-CW 96-Well Plate 30mg/well (2/Box)
8E-S035-UGB-TN	strata-X-CW 96-Well Plate 60mg/well (2/Box)

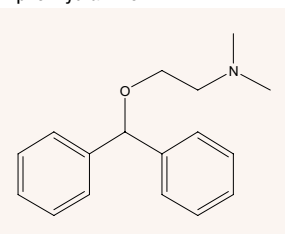
Chlorpheniramine



Triprolidine

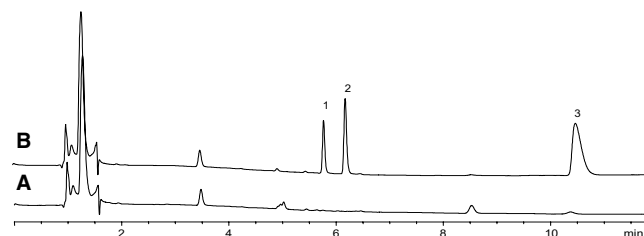


Diphenhydramine



HPLC chromatogram 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 human urine extract
Mobile Phase: A: 20 mM KH₂PO₄ pH 2.5 B: acetonitrile
Gradient: 90:10 (hold for 1 min) to 75/25 in 3 min, then hold for 9 min
Flow rate: 1.5mL/min
Temperature: 25°C
Detection: UV @ 230nm
Peaks: 1. Chlorpheniramine
 2. Triprolidine
 3. Diphenhydramine

Results (Absolute Recovery)

Analyte	Concentration (µg/mL)	Log P	% Recovery	% RSD (n=3)
Chlorpheniramine	1.0	3.57	94	1.88
Triprolidine	1.0	3.92	92	2.35
Diphenhydramine	2.0	3.66	IS	

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