

**Client:** LAB SOLUTIONS LLC  
**Sample #:** 1  
**Chart #:**  
**Provider:**

**Patient:** LAB SOLUTIONS, VERIFY  
**DOB:** 01/01/1900  
**Gender:** M  
**Specimen Type:** URINE

**Lab Acc#:** 1703240362  
**Collected:** 03/24/17 09:00  
**Received:** 03/24/17 18:40  
**Reported:** 03/24/17 18:58

**Prescribed Medications:** Acetaminophen, Adipex (Phentermine), Amrix (Cyclobenzaprine)

**ADHERENCE SUMMARY**

Drug/Metabolite	Results	Concentration	Cutoff	Interpretation
<b>⚠ Amphetamine</b> Detection window 3-5 days. Amphetamine (Adderall, Vyvanse), a strong central nervous system stimulant used to treat ADHD and narcolepsy. It is also used recreationally. Amphetamine is a metabolite of other drugs, including Methamphetamine & Benzphetamine (Didrex)	<b>POSITIVE</b>	<b>75 ng/mL</b>	<b>50 ng/mL</b>	<b>INCONSISTENT</b>
<b>⚠ THC-COOH</b> Detection window up to 30 days. THC-COOH is the primary urine metabolite of THC, the psychoactive constituent of marijuana. The presence of THC-COOH is consistent with recent use of marijuana and/or the prescription drug Marinol.	<b>POSITIVE</b>	<b>58 ng/mL</b>	<b>25 ng/mL</b>	<b>INCONSISTENT</b>
<b>⚠ Pseudoephedrine</b> Detection window 1-5 days. Pseudoephedrine (Sudafed) is the d-isomer of ephedrine (Primatene, l-ephedrine). Both are sympathomimetic drugs of the phenethylamine and amphetamine drug class. They are indistinguishable isomers using standard LC/MS/MS techniques.	<b>POSITIVE</b>	<b>150 ng/mL</b>	<b>100 ng/mL</b>	<b>INCONSISTENT</b>
<b>⚠ Ethyl Glucuronide</b> Detection window 3-4 days. Ethyl glucuronide (ETG) is a minor metabolite of ethanol (ethyl alcohol), and a biomarker of recent ethanol consumption or exposure.	<b>POSITIVE</b>	<b>600 ng/mL</b>	<b>500 ng/mL</b>	<b>INCONSISTENT</b>
<b>⚠ Ethyl Sulfate</b> Detection window 1-3 days. Ethyl sulfate (ETS) is a minor metabolite of ethanol (ethyl alcohol), and a biomarker of recent ethanol consumption and/or exposure.	<b>POSITIVE</b>	<b>325 ng/mL</b>	<b>250 ng/mL</b>	<b>INCONSISTENT</b>
<b>✓ Acetaminophen</b> Detection window 1-2 days. Acetaminophen (Paracetamol, Tylenol) is a non-narcotic analgesic and antipyretic agent found in numerous trade name preparations, and in over 200 combinations with other drugs such as codeine, hydrocodone, and oxycodone.	<b>POSITIVE</b>	<b>1900 ng/mL</b>	<b>200 ng/mL</b>	<b>CONSISTENT</b>
<b>✓ Phentermine</b> Detection window 1-5 days. Phentermine (Adipex) is a psychostimulant drug, a derivative of amphetamine, used as an appetite suppressant. It is a metabolite of Mephentermine.	<b>POSITIVE</b>	<b>225 ng/mL</b>	<b>100 ng/mL</b>	<b>CONSISTENT</b>
<b>✓ Cyclobenzaprine</b>	<b>Not Detected</b>		<b>50 ng/mL</b>	<b>METABOLITE DETECTED</b>
<b>✓ Norcyclobenzaprine</b> Detection window 1-4 days. Norcyclobenzaprine is a major metabolite of the muscle relaxant Cyclobenzaprine (Flexeril, Amrix).	<b>POSITIVE</b>	<b>210 ng/mL</b>	<b>50 ng/mL</b>	<b>CONSISTENT</b>

**Specimen Validity Testing**

TEST	RESULTS	FLAG	EXPECTED RESULTS
Creatinine	100	NORMAL	20 - 300 mg/dL
pH	6.8	NORMAL	4.0 - 9.0

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### CONFIRMATION RESULTS

Drug/Metabolite	Results	Concentration	Cutoff	Interpretation
<b>AMPHETAMINES</b>				
<b>Amphetamine</b>	<b>POSITIVE</b>	<b>75 ng/mL</b>	<b>50 ng/mL</b>	<b>INCONSISTENT</b>
Methamphetamine	Not Detected		50 ng/mL	
<b>Phentermine</b>	<b>POSITIVE</b>	<b>225 ng/mL</b>	<b>100 ng/mL</b>	<b>CONSISTENT</b>
MDA	Not Detected		100 ng/mL	
MDEA	Not Detected		100 ng/mL	
MDMA	Not Detected		100 ng/mL	
<b>CANNABINOIDS</b>				
<b>THC-COOH</b>	<b>POSITIVE</b>	<b>58 ng/mL</b>	<b>25 ng/mL</b>	<b>INCONSISTENT</b>
JWH-018 5-HYDROXPENTYL	Not Detected		50 ng/mL	
JWH-073 4-HYDROXYBUTYL	Not Detected		50 ng/mL	
JWH-081 5-HYDROXPENTYL	Not Detected		50 ng/mL	
JWH-122 5-HYDROXPENTYL	Not Detected		50 ng/mL	
JWH-250 5-HYDROXPENTYL	Not Detected		50 ng/mL	
<b>ILLCIT DRUGS</b>				
Cocaine	Not Detected		50 ng/mL	
Benzoylcegonine	Not Detected		50 ng/mL	
PCP	Not Detected		10 ng/mL	
6-Acetylmorphine	Not Detected		20 ng/mL	
<b>ANTIDEPRESSANTS - OTHER</b>				
Trazodone	Not Detected		50 ng/mL	
Hydroxybupropion	Not Detected		50 ng/mL	
<b>CNS STIMULANTS/ADHD</b>				
Ritalinic Acid	Not Detected		50 ng/mL	
Atomoxetine	Not Detected		100 ng/mL	
<b>TRICYCLIC ANTIDEPRESSANTS</b>				
Clomipramine	Not Detected		50 ng/mL	
Imipramine	Not Detected		100 ng/mL	
Amitriptyline	Not Detected		50 ng/mL	
Nortriptyline	Not Detected		50 ng/mL	
Doxepin	Not Detected		100 ng/mL	
Desmethyldoxepin	Not Detected		100 ng/mL	
Protriptyline	Not Detected		100 ng/mL	
Trimipramine	Not Detected		100 ng/mL	
<b>SSRI/SNRI</b>				
Paroxetine	Not Detected		50 ng/mL	
Sertraline	Not Detected		50 ng/mL	
Citalopram	Not Detected		50 ng/mL	
Venlafaxine	Not Detected		50 ng/mL	
Fluoxetine	Not Detected		50 ng/mL	
Norfluoxetine	Not Detected		50 ng/mL	
Duloxetine	Not Detected		50 ng/mL	
<b>ANTIPSYCHOTICS</b>				
Aripiprazole	Not Detected		50 ng/mL	
Olanzapine	Not Detected		50 ng/mL	
Desmethyloanzapine	Not Detected		50 ng/mL	
9-Hydroxyrisperidone	Not Detected		50 ng/mL	
Ziprasidone	Not Detected		50 ng/mL	
Thioridazine	Not Detected		50 ng/mL	
Norquetiapine (Seroquel)	Not Detected		50 ng/mL	
<b>BARBITURATES</b>				
Butalbital	Not Detected		400 ng/mL	
Phenobarbital	Not Detected		400 ng/mL	
Secobarbital	Not Detected		400 ng/mL	
<b>BENZODIAZEPINES</b>				
Alprazolam	Not Detected		50 ng/mL	

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4-Hydroxyalprazolam	Not Detected	50 ng/mL
Clonazepam	Not Detected	50 ng/mL
7-Aminoclonazepam	Not Detected	50 ng/mL
Flunitrazepam	Not Detected	50 ng/mL
7-Aminoflunitrazepam	Not Detected	50 ng/mL
Flurazepam	Not Detected	50 ng/mL
2-Hydroxyethylflurazepam	Not Detected	50 ng/mL
Midazolam	Not Detected	50 ng/mL
AlphaHydroxymidazolam	Not Detected	50 ng/mL
Triazolam	Not Detected	50 ng/mL
Alpha-Hydroxytriazolam	Not Detected	100 ng/mL
Diazepam	Not Detected	50 ng/mL
Chlordiazepoxide	Not Detected	50 ng/mL
Nordiazepam	Not Detected	50 ng/mL
Oxazepam	Not Detected	50 ng/mL
Estazolam	Not Detected	50 ng/mL
Lorazepam	Not Detected	50 ng/mL
Temazepam	Not Detected	50 ng/mL
Bupirone	Not Detected	50 ng/mL

#### HYPNOTICS

Zaleplon	Not Detected	50 ng/mL
Zolpidem	Not Detected	1 ng/mL

#### OPIOIDS

Codeine	Not Detected	50 ng/mL
Morphine	Not Detected	50 ng/mL
Hydrocodone	Not Detected	50 ng/mL
Hydromorphone	Not Detected	50 ng/mL
Norhydrocodone	Not Detected	50 ng/mL
Oxycodone	Not Detected	50 ng/mL
Noroxycodone	Not Detected	50 ng/mL
Oxymorphone	Not Detected	50 ng/mL

#### SYNTHETIC OPIATES

Propoxyphene	Not Detected	50 ng/mL
Norproxyphene	Not Detected	50 ng/mL
Buprenorphine	Not Detected	5 ng/mL
Norbuprenorphine	Not Detected	10 ng/mL
Fentanyl	Not Detected	5 ng/mL
Norfentanyl	Not Detected	5 ng/mL
Sufentanil	Not Detected	50 ng/mL
Tramadol	Not Detected	50 ng/mL
O-Desmethyltramadol	Not Detected	50 ng/mL
Desomorphine	Not Detected	50 ng/mL
Methadone	Not Detected	50 ng/mL
EDDP	Not Detected	50 ng/mL
Meperidine	Not Detected	50 ng/mL
Normeperidine	Not Detected	50 ng/mL
Pentazocine	Not Detected	50 ng/mL
Tapentadol	Not Detected	50 ng/mL
N-Desmethyltapentadol	Not Detected	50 ng/mL

#### OPIOID ANTAGONISTS

Naloxone	Not Detected	5 ng/mL
Naltrexone	Not Detected	20 ng/mL

#### MUSCLE RELAXERS

Baclofen	Not Detected	100 ng/mL		
Cyclobenzaprine	Not Detected	50 ng/mL		
<b>Norcyclobenzaprine</b>	<b>POSITIVE</b>	<b>210 ng/mL</b>	<b>50 ng/mL</b>	<b>CONSISTENT</b>
Carisoprodol	Not Detected	100 ng/mL		
Meprobamate	Not Detected	100 ng/mL		

#### ANTICONVULSANTS

These tests were developed and their performance characteristics determined by LabSolutions LLC, (CLIA# 11D2065318), and or Logix Diagnostic Lab, 5431 Barker Cypress rd, 1400 Houston, TX 77084 (CLIA# 45D2115530 & 45D0868678). These tests are not subject to FDA clearance or approval. The results are for clinical purpose only.

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Gabapentin	Not Detected		400 ng/mL	
Pregabalin	Not Detected		400 ng/mL	
<b>NSAID'S</b>				
4-Hydroxydiclofenac	Not Detected		100 ng/mL	
Ibuprofen	Not Detected		400 ng/mL	
Naproxen	Not Detected		200 ng/mL	
<b>ANESTHETIC (KETAMINE)</b>				
Ketamine	Not Detected		100 ng/mL	
Norketamine	Not Detected		100 ng/mL	
<b>OTC</b>				
<b>Acetaminophen</b>	<b>POSITIVE</b>	<b>1900 ng/mL</b>	<b>200 ng/mL</b>	<b>CONSISTENT</b>
<b>Pseudoephedrine</b>	<b>POSITIVE</b>	<b>150 ng/mL</b>	<b>100 ng/mL</b>	<b>INCONSISTENT</b>
Dextromethorphan	Not Detected		100 ng/mL	
Dextroprphan	Not Detected		100 ng/mL	
<b>PLANT ALKALOID</b>				
Mitragynine	Not Detected		50 ng/mL	
7-Hydroxymitragynine	Not Detected		100 ng/mL	
Caffeine	Not Detected		100 ng/mL	
Cotinine	Not Detected		200 ng/mL	
<b>PSYCHEDELICS</b>				
DMT	Not Detected		100 ng/mL	
DOB	Not Detected		100 ng/mL	
LSD	Not Detected		10 ng/mL	
<b>BATH SALT/SYN. CATHINONES</b>				
Methylone	Not Detected		50 ng/mL	
Ethylone	Not Detected		50 ng/mL	
MDVP	Not Detected		50 ng/mL	
Mephedrone	Not Detected		100 ng/mL	
Naphyrone	Not Detected		100 ng/mL	
Alpha-PVP	Not Detected		100 ng/mL	
<b>ETHANOL METABOLITES</b>				
<b>Ethyl Glucuronide</b>	<b>POSITIVE</b>	<b>600 ng/mL</b>	<b>500 ng/mL</b>	<b>INCONSISTENT</b>
<b>Ethyl Sulfate</b>	<b>POSITIVE</b>	<b>325 ng/mL</b>	<b>250 ng/mL</b>	<b>INCONSISTENT</b>