

CLIENT NAME Testing Account	PATIENT RAY MILES	REQUISITION NUMBER 1354
PROVIDER Benjamin Franklin, FNP	DATE OF BIRTH : GENDER 12/14/1965 : Male	COLLECTION DATE 12/30/2016 14:35:09
PHONE	PATIENT ID MILRAY0002	LAB RECEIPT 01/09/2017
FAX	DATE OF PREVIOUS TEST	FINAL REPORT

PROVIDER SUBMITTED PRESCRIBED MEDICATIONS

Xanax® (Alprazolam)	Carisoprodol	Norco® (Hydrocodone)
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INTERPRETATIVE COMMENTS

Unexpected Results based upon Provider Submitted Prescribed Medications as well as illicit drugs and non-prescribed medications detected.

DRUG / DRUG CLASS	RESULT	TOXICOLOGIST COMMENTS
THC-COOH (cannabis metabolite)	ILLICIT	11-nor-9-Carboxy-delta9-THC (THC-COOH) is the main metabolite of tetrahydrocannabinol (delta9- THC) found in urine following exposure to marijuana.

DETAILED TESTING RESULTS

DRUG / DRUG CLASS	LAB EIA Result	LC-MS/MS Result	LEVEL (ng/mL)	CUT-OFF (ng/mL)	COMMENT
BENZOYLECGONINE					
Benzoylcegonine		Not Detected		25	
HEROIN METABOLITE					
6-monoacetylmorphine		Not Detected		10	
METHYLENEDIOXYAMPHETAMINES					
MDA (metabolite)		Not Detected		50	
MDEA		Not Detected		50	
MDMA (Ecstasy)		Not Detected		50	
PHENCYCLIDINE					
Phencyclidine		Not Detected		10	
CANNABINOID					
THC-COOH (cannabis metabolite)		Detected	63	25	11-nor-9-Carboxy-delta9-THC (THC-COOH) is the main metabolite of tetrahydrocannabinol (delta9- THC) found in urine following exposure to marijuana.
BENZODIAZEPINES					
Alprazolam		Detected	66	25	Alprazolam is a benzodiazepine drug available by prescription (e.g. Xanax®). It is metabolized in the liver primarily through the CYP3A4/CYP3A5 enzymatic pathway.
Chlordiazepoxide		Not Detected		25	
Clonazepam		Not Detected		25	
7-Aminoclonazepam		Not Detected		25	
Diazepam		Not Detected		25	
Nordiazepam		Not Detected		25	
Flunitrazepam		Not Detected		25	
7-Aminoflunitrazepam		Not Detected		25	
Flurazepam		Not Detected		25	
Hydroxyflurazepam		Not Detected		25	
Lorazepam		Not Detected		25	
Midazolam		Not Detected		25	
a-Hydroxymidazolam		Not Detected		25	
Nitrazepam		Not Detected		25	
Oxazepam		Not Detected		25	

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Temazepam		Not Detected		25	
Triazolam		Not Detected		25	
OPIATE					
Codeine		Not Detected		25	
Dihydrocodeine		Not Detected		25	
Hydrocodone		Detected	95	25	Hydrocodone is a semi-synthetic narcotic analgesic related to codeine available by prescription (e.g. Hycodan®, Lortab®, Lorcet®, Norco®, Tussionex®, Vicodin®). It is metabolized by the liver enzyme CYP2D6 to the active metabolite hydromorphone. Patients with deficient CYP2D6 enzymatic activity may not produce hydromorphone at detectable levels. Hydrocodone is seen as a minor metabolite of codeine.
Norhydrocodone		Detected	254	25	Norhydrocodone is a unique metabolite of hydrocodone. It is not available by prescription.
Hydromorphone		Detected	310	25	Hydromorphone is a semi-synthetic narcotic analgesic related to morphine and is available by prescription (e.g. Dilaudid®, Exalgo®). Hydromorphone is seen as a metabolite of hydrocodone and as a minor metabolite of morphine.
Morphine		Not Detected		25	
OPIATE & OPIOID ANALOGS					
Dextromethorphan		Not Detected		25	
Meperidine		Not Detected		25	
Normeperidine		Not Detected		25	
Naloxone		Not Detected		10	
Naltrexone		Not Detected		10	
SEDATIVE HYPNOTICS					
Zaleplon		Not Detected		25	
Zopiclone/Eszopiclone		Not Detected		10	
Zolpidem		Not Detected		10	
Zolpidem Phenyl-4-Carboxylic		Not Detected		25	
SKELETAL MUSCLE RELAXANTS					
Carisoprodol		Detected	108	100	Carisoprodol is a skeletal muscle relaxant available by prescription (e.g. Soma®). It is metabolized in the liver primarily through the CYP2C19 enzymatic pathway.
Cyclobenzaprine		Not Detected		25	
Meprobamate		Detected	124	50	Meprobamate is available by prescription (e.g. Equanil®, MB-TAB®) and is a metabolite of carisoprodol (e.g. Soma®).

SPECIMEN VALIDITY TEST RESULTS

Analyte	Result	Reference Range	Interpretation	Analyte	Result	Reference Range	Interpretation
Creatinine	91.2	20 - 200 mg/dL	Normal	pH	6.9	4 - 8	Normal
Specific Gravity	1.006	1.003 - 1.030	Normal	General Oxidants	0	< 200 ug/mL	Normal

REPORT LEGEND

Lab EIA: Enzyme immunoassay which is performed upon a provider's order; results are presumptive
 Provider Submitted Presumptive: The presumptive screening results that the provider performed in their office
 Result: Detected - Traces of the analyte have been found above the Stone Clinical Laboratories established cut-off
 Not Detected - No traces of the analyte were found at or above the Stone Clinical Laboratories established cut-off
 Method: LC-MS/MS = Liquid Chromatography Tandem Mass Spectrometry performed using multiple instrument runs and drug/drug/class specific calibrations

STONE CLINICAL LABORATORIES EIA CUT-OFFS

AMP: 1000 ng/mL	BZO: 200 ng/mL	COC: 300 ng/mL	MDMA: 500 ng/mL	OPI: 300 ng/mL	PCP: 25 ng/mL	THC: 50 ng/mL
BAR: 200 ng/mL	BUP: 10 ng/mL	ETH: 50 ng/mL	MTD: 300 ng/mL	OXY: 300 ng/mL	TCA: 300 ng/mL	