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CLIENT NAME ABC Family Specialists	PATIENT Doe, John	REQUISITION NUMBER
PROVIDER Test Provider, MD	DATE OF BIRTH : GENDER 10/31/1966 : Female	COLLECTION DATE 05/08/2019 05:10:00
PHONE 504-555-1212	PATIENT ID	LAB RECEIPT 05/10/2019
FAX 504-555-1313	DATE OF PREVIOUS TEST 11/20/2018	FINAL REPORT 05/12/2019

### PROVIDER SUBMITTED PRESCRIBED MEDICATIONS

Suboxone® (Buprenorphine)

Suboxone® (Naloxone)

### INTERPRETIVE 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
Norbuprenorphine	REVIEW: Presence of Non-Prescribed Medication	Nor-Buprenorphine is a major and unique metabolite of buprenorphine. Nor-buprenorphine is not available by prescription.
Oxycodone	REVIEW: Presence of Non-Prescribed Medication	Oxycodone is a semi-synthetic narcotic analgesic related to codeine and is available by prescription (e.g. Extampza ER®, Oxycontin®, Roxicodone®). It is metabolized by the liver enzyme CYP2D6 to the active metabolite oxymorphone. Patients with deficient CYP2D6 enzymatic activity may not produce oxymorphone at
Noroxycodone	REVIEW: Presence of Non-Prescribed Medication	Nor-Oxycodone is a unique metabolite of oxycodone. It is not available by prescription.

### DETAILED TESTING RESULTS

DRUG / DRUG CLASS	LAB EIA Result	LC-MS/MS Result	LEVEL (ng/mL)	CUT-OFF (ng/mL)	TOXICOLOGIST COMMENTS
<b>BUPRENORPHINE</b>					
Buprenorphine		Detected	20	5	Buprenorphine is potent, semi-synthetic narcotic analgesic available by prescription alone (e.g. Belbuca®, Buprenex®, Butrans®, Subutex®) or in combination with naloxone (e.g. Bunavail®, Suboxone®, Zubsolv®). It is metabolized in the liver primarily through the CYP3A4/CYP3A5 enzymatic pathway.
<b>Norbuprenorphine</b>		<b>Detected</b>	<b>50</b>	<b>10</b>	Nor-Buprenorphine is a major and unique metabolite of buprenorphine. Nor-buprenorphine is not available by prescription.
<b>OPIATE &amp; OPIOID ANALOGS</b>					
Naloxone		Detected	52	10	Naloxone is an opiate antagonist available by prescription, often in combination with buprenorphine (e.g. Suboxone®, Zubsolv®).
<b>OXYCODONE</b>					
<b>Oxycodone</b>		<b>Detected</b>	<b>300</b>	<b>50</b>	Oxycodone is a semi-synthetic narcotic analgesic related to codeine and is available by prescription (e.g. Extampza ER®, Oxycontin®, Roxicodone®). It is metabolized by the liver enzyme CYP2D6 to the active metabolite oxymorphone. Patients with deficient CYP2D6 enzymatic activity may not produce oxymorphone at detectable levels. Low concentrations of hydrocodone may be present.
<b>Noroxycodone</b>		<b>Detected</b>	<b>500</b>	<b>50</b>	Nor-Oxycodone is a unique metabolite of oxycodone. It is not available by prescription.

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**DETAILED TESTING RESULTS**
**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.

These tests were developed and performance characteristics determined by Stone Clinical Laboratories. They have not been cleared or approved by the FDA, however such clearance or approval is not necessary. The laboratory is regulated under CLIA as qualified to perform high-complexity testing. Historical and prescribed medications result reporting is dependent on the accuracy of prescription medication lists submitted by the ordering provider. Variation in the metabolism of medications is specific to individual patients and influenced by many factors.

**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	