

Client: Example Client ABC123  
123 Test Drive  
Salt Lake City, UT 84108  
UNITED STATES

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 7/13/1964  
**Sex:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 01/01/2017 12:34

**Heroin Metabolites, Free - Confirmation, Serum or Plasma**

ARUP test code 0091612

Morphine - Free 33 ng/mL  
Serum  
Reporting Limit: 5.0 ng/mL  
Synonym(s): Heroin Metabolite  
Adult therapeutic range: <73 ng/mL.  
Analysis by High Performance Liquid Chromatography/  
Tandem Mass Spectrometry (LC-MS/MS)

6-Monoacetylmorphine (6-MAM) - Free None Det ng/mL  
Serum  
Reporting Limit: 1.0 ng/mL  
Synonym(s): 6-MAM; Heroin Metabolite  
6-Monoacetylmorphine is a metabolite of heroin.  
Analysis by High Performance Liquid Chromatography/  
Tandem Mass Spectrometry (LC-MS/MS)  
This test was developed and its performance  
characteristics determined by NMS Labs. It has not  
been cleared or approved by the US Food and Drug  
Administration.  
Testing performed at NMS Labs, Inc.  
200 Welsh Road  
Horsham, PA 19044-2208  
CLIA 39D0197898

**Heroin - Screen with Reflex to Confirmation/Quantitation - Serum or Plasma**

ARUP test code 0091203

Heroin Screen, Serum or Plasma See note ng/mL  
Serum  
Reporting Limit: 20 ng/mL  
Comment:  
Based on this screening result, confirmation testing  
was performed. Refer to the confirmation test  
result(s).  
Analysis by Enzyme-Linked Immunosorbent Assay (ELISA)  
This test was developed and its performance  
characteristics determined by NMS Labs. It has not  
been cleared or approved by the US Food and Drug  
Administration.  
Testing performed at NMS Labs, Inc.  
200 Welsh Road  
Horsham, PA 19044-2208  
CLIA 39D0197898

**H=High, L=Low, \*=Abnormal, C=Critical**

Unless otherwise indicated, testing performed at:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Heroin Screen, Serum or Plasma	21-306-131999	11/2/2021 12:15:00 PM	11/4/2021 10:12:48 AM	11/11/2021 4:06:00 PM
Morphine - Free	21-306-131999	11/2/2021 12:15:00 PM	11/6/2021 1:04:18 PM	11/11/2021 4:06:00 PM
6-Monoacetylmorphine (6-MAM) - Free	21-306-131999	11/2/2021 12:15:00 PM	11/6/2021 1:04:18 PM	11/11/2021 4:06:00 PM

END OF CHART

H=High, L=Low, \*=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com  
500 Chipeta Way, Salt Lake City, UT 84108-1221  
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 21-306-131999  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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