

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 5/11/1989  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 01/01/2017 12:34

**Tramadol and Metabolite, Quantitative, Serum or Plasma**

ARUP test code 2014686

Tramadol, Serum/Plasma

100 ng/mL  
Serum or Plasma  
Reporting Limit: 10 ng/mL  
Synonym(s): Ultrax(R); Ultram(R)  
Peak plasma levels following a single 100 mg oral dose:  
230 - 380 ng/mL.  
Steady-state plasma levels following a 100 mg 4 times daily regimen: 420 - 770 ng/mL.  
Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

O-Desmethyltramadol, Serum/Plasma

200 ng/mL  
Serum or Plasma  
Reporting Limit: 10 ng/mL  
Synonym(s): Tramadol Metabolite  
Peak plasma concentration following a single 100 mg oral dose:  
35 - 75 ng O-Desmethyltramadol/mL.  
Steady-state plasma concentration following a 100 mg 4 times daily regimen:  
80 - 140 ng O-Desmethyltramadol/mL.  
Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)  
Testing performed at NMS Labs, Inc.  
3701 Welsh Road  
Willow Grove, PA 19090-2910  
CLIA 39D0197898

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

Unless otherwise indicated, testing performed at:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Tramadol, Serum/Plasma	19-015-117199	1/15/2019 3:09:00 PM	1/15/2019 3:13:51 PM	1/16/2019 7:00:00 AM
O-Desmethyltramadol, Serum/Plasma	19-015-117199	1/15/2019 3:09:00 PM	1/15/2019 3:13:51 PM	1/16/2019 7:00:00 AM

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  
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 19-015-117199  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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