

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 1/27/1991  
**Sex:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 01/01/2017 12:34

**Gamma-Hydroxybutyric Acid (GHB), Urine - Screen with Reflex to Confirmation/Quantitation**

ARUP test code 0091161

Gamma-Hydroxybutyric Acid Screen, Urine	See note mcg/mL Urine Reporting Limit: 5.0 mcg/mL Synonym(s): GHB; Gamma-Hydroxybutyrate Comment: Based on this screening result, confirmation testing was performed. Refer to the confirmation test result(s). Analysis by Gas Chromatography/Mass Spectrometry (GC/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
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**Gamma-Hydroxybutyric Acid (GHB) Confirmation, Urine**

ARUP test code 0096081

Creatinine	1221 mg/L Urine Reporting Limit: 100 mg/L U.S. Population (10th - 90th percentiles, median) All participants: 335 - 2370 mg/L, median 1180 (n=22,245) Males: 495 - 2540 mg/L, median 1370 (n=10,610) Females: 273 - 2170 mg/L, median 994 (n=11,635) Analysis by Colorimetry (C)
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Gamma-Hydroxybutyric Acid, Confirmation	150 mcg/mL Urine Reporting Limit: 5.0 mcg/mL Synonym(s): GHB; Gamma-Hydroxybutyrate Endogenous GHB levels in healthy adults have been determined to range up to 6.6 mcg/mL. Sixteen healthy adults given a single oral dose (50 mg/kg) developed urine levels averaging: 168 mcg/mL during the 0 to 3 hour post-dose interval, 157 mcg/mL during the 3 to 6 hour period and 3.8 mcg/mL for the 6 to 12 hour window.
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**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: 21-354-400219  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.  
Analysis by Gas Chromatography/Mass Spectrometry (GC/MS)

**GHB (Creatinine corrected)**

120 mg/g

Urine

Reporting Limit: 4.0 mg/g Creat

Endogenous creatinine corrected results did not exceed 10 mg/g among unexposed pregnant females (n=66), non-pregnant females (n=105) and males (n=22) in three peer reviewed studies.

Analysis by Gas Chromatography/Mass Spectrometry (GC/MS)

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Testing performed at NMS Labs, Inc.

200 Welsh Road  
Horsham, PA 19044-2208  
CLIA 39D0197898

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Gamma-Hydroxybutyric Acid Screen, Urine	21-354-400219	12/19/2021 4:46:00 PM	12/22/2021 12:44:49 PM	1/7/2022 9:07:00 AM
Creatinine	21-354-400219	12/19/2021 4:46:00 PM	1/3/2022 1:03:52 PM	1/7/2022 9:07:00 AM
Gamma-Hydroxybutyric Acid, Confirmation	21-354-400219	12/19/2021 4:46:00 PM	1/3/2022 1:03:52 PM	1/7/2022 9:07:00 AM
GHB (Creatinine corrected)	21-354-400219	12/19/2021 4:46:00 PM	1/3/2022 1:03:52 PM	1/7/2022 9:07:00 AM

END OF CHART

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

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