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: 2.0 mcg/mL
Synonym(s): Gamma-Hydroxybutyrate; GHB
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)
Testing performed at NMS Labs, Inc.
3701 Welsh Road
Willow Grove, PA 19090-2910
CLIA 39 D 0197898

Gamma-Hydroxybutyric Acid (GHB) Confirmation, Urine
ARUP test code 0096081

Creatinine
6000 mg/L  H
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)

Gamma-Hydroxybutyric Acid, Confirmation
100 mcg/mL

H=High, L=Low, *=Abnormal, C=Critical
Urine Reporting Limit: 2.0 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. 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) 16 mg/g
Urine Reporting Limit: 0.33 mg/g Creat
Synonym(s): GHB; Gamma-Hydroxybutyrate
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)
Testing performed at NMS Labs, Inc.
3701 Welsh Road
Willow Grove, PA 19090-2910
CLIA 39D0197898

Specific Gravity Confirmation, Urine
ARUP test code 2006520
Specific Gravity Confirmation, Urine 1.010
Urine Physiologic range: 1.010 - 1.030. Samples with specific gravity lower than 1.010 are too dilute and should be recollected.
Analysis by Refractometer (REF)
Testing performed at NMS Labs, Inc.
3701 Welsh Road
Willow Grove, PA 19090-2910
CLIA 39D0197898

H=High, L=Low, *=Abnormal, C=Critical
<table>
<thead>
<tr>
<th>Procedure</th>
<th>Accession</th>
<th>Collected</th>
<th>Received</th>
<th>Verified/Reported</th>
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</thead>
<tbody>
<tr>
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<td>8/13/2018 10:18:00 AM</td>
<td>8/13/2018 11:57:08 AM</td>
<td>8/13/2018 11:59:00 AM</td>
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</tbody>
</table>

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

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