

ghb testing

LABORATORY SERVICES

Were they drugged? We'll find out.

Gamma-Hydroxybutyric acid (GHB) testing from Redwood Toxicology Laboratory detects "date rape" drug presence in urine.

GHB TESTING
Confirmation for
"date-rape" drug!

Confidence in testing.

REDWOOD TOXICOLOGY LABORATORY GHB TESTING

There are increasing reports of Gamma-Hydroxybutyric acid (GHB) being used recreationally as a euphoriant at "rave" type parties. GHB is typically associated with sexual assault or as a "date rape" drug due to its severe hypnotic and sedative effect at higher dosages. Typical illicit use of GHB involves dissolving 2 - 3 grams of powder in beverages.

Redwood Toxicology Laboratory, Inc. (RTL) utilizes the most sophisticated, sensitive and specific equipment and technology available (GC/MS - gas chromatography/mass spectrometry), to confirm and quantitate GHB. This methodology provides highly accurate results.

As with all of RTL's testing options, full customer support and training is provided. Turn to RTL for confidence in testing—we'll find out.

BENEFITS INCLUDE:

- *Strong indicator of GHB ingestion within 12 hours*
- *Expert witness services provided in court, telephonically and by written affidavit*
- *Results available via internet, fax and/or U.S. mail*
- *Fast turn-around time from receipt of specimen (48 hours¹ negative, 72 hours positive)*
- *Toll-free customer support services with access to board certified toxicologists*
- *Affordable pricing*

Call Now: **800-255-2159**

or visit: www.redwoodtoxicology.com/3273



FREQUENTLY ASKED QUESTIONS

What is GHB?

Gamma-Hydroxybutyric Acid (GHB) was first developed as an anesthetic, but was discontinued for use due to its adverse and unpredictable effects. However, GHB is readily available and used in Europe as a sedative. The salt form of GHB has been marketed in gymnasiums and health food stores for the past few years as a steroid alternative for body-building and as a tryptophan replacement for sedation.

How is GHB used?

Typical illicit use of GHB involves dissolving 2 - 3 grams of powder in water or other beverages. Onset of effects occur within 10 - 30 minutes of ingestion and include euphoria, increased libido, drowsiness, reduced inhibitions, dizziness, nausea and may persist for 2 - 5 hours. Toxic effects include hypotension, respiratory depression, seizure, unconsciousness, and coma. Deaths have been reported when GHB is used alone or in conjunction with ethanol, heroin, or ketamine.

How is GHB metabolized?

GHB is thought to be extensively metabolized by alcohol dehydrogenase and/or succinic semialdehyde dehydrogenase. Metabolic precursors to GHB, gamma-butyrolactone (GBL) and 1,4 butanediol are also readily available as substances of abuse. Endogenous GHB is also a product of GABA metabolism, and concentrations of 0 - 6.6 mg/L have been reported. Oral doses of approximately 2.5 g (1 teaspoon of GHB powder) dissolved in water, produced urine GHB concentrations of 29 mg/L in a 100 kg man.

Studies also indicate peak urine GHB concentrations of 100 mg/L following a 100 mg/kg oral dose, and no detectable drug in the urine by 12 hours. Less than 5% of an oral dose is eliminated unchanged in urine. To distinguish between endogenous and exogenous GHB, a reporting cutoff of 10 µg/mL is suggested.

How do I collect the urine and send in a specimen?

Collection and shipping guidelines are included in the RTL Reference Guide. A copy is provided with your new account supplies. Please read these instructions carefully. RTL also offers telephonic training and client service support.

How long does it take for results?

Negative results for GHB are reported within 48 hours. Positive results are reported within 72 hours of receipt of specimen at the lab.

How will RTL report the GHB results?

RTL offers reporting for GHB testing via internet, U.S. mail or facsimile. Please indicate your preferred method at the time of account set-up.

1. Excludes specimens received Saturday

