

**TEST CHANGE**

**Benzodiazepines, Serum or Plasma, Quantitative**

2010445, BENZO SP

**Specimen Requirements:**

**Patient Preparation:**

**Collect:** Gray (sodium fluoride/potassium oxalate). Also acceptable: Plain red, green (sodium heparin), lavender (EDTA), or pink (K2EDTA).

**Specimen Preparation:** Separate serum or plasma from cells ASAP or within 2 hours of collection. Transfer 2 mL serum or plasma to an ARUP [standard transport tube](#). ~~Standard Transport Tube~~. (Min: 1 mL)

**Transport Temperature:** Refrigerated.

**Unacceptable Conditions:** Gel separator tubes. Plasma or whole blood collected in ~~light-~~ blue (sodium citrate). Hemolyzed specimens.

**Remarks:**

**Stability:** After separation from cells: Ambient: 1 week; Refrigerated: 2 weeks; Frozen: 3 years (Avoid repeated freeze/thaw cycles)

**Methodology:** Quantitative Liquid Chromatography-Tandem Mass Spectrometry

**Performed:** Tue, Fri

**Reported:** 1-~~7~~5 days

**Note:**

**CPT Codes:** 80346 (Alt code: G0480)

**New York DOH Approval Status:** This test is New York DOH approved.

**Interpretive Data:**

**Methodology:** Quantitative Liquid Chromatography-Tandem Mass Spectrometry.

Positive cutoff: 20 ng/mL unless specified below:

Diazepam 5 ng/mL

Alprazolam 5 ng/mL

Alpha-hydroxyalprazolam 5 ng/mL

Clonazepam 5 ng/mL

7-aminoclonazepam 5 ng/mL

For medical purposes only; not valid for forensic use.

Identification of specific drug(s) taken by specimen donor is problematic due to common metabolites, some of which are prescription drugs themselves. The absence of expected drug(s) and/or drug metabolite(s) may indicate ~~noncompliance~~~~non-compliance~~, inappropriate timing of specimen collection relative to drug administration, poor drug absorption, or limitations of testing. The concentration value must be greater than or equal to the cutoff to be reported as positive. Interpretive questions should be directed to the laboratory.

~~This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.~~

**Reference Interval:**

Effective November 16, 2015

Drugs Covered	Cutoff Concentrations
Alprazolam	5 ng/mL
Alpha-hydroxyalprazolam	5 ng/mL
Clonazepam	5 ng/mL
Chlordiazepoxide	20 ng/mL
7-aminoclonazepam	5 ng/mL
Diazepam	5 ng/mL
Lorazepam	20 ng/mL
Alpha-hydroxymidazolam	20 ng/mL
Midazolam	20 ng/mL
Nordiazepam	20 ng/mL
Oxazepam	20 ng/mL
Temazepam	20 ng/mL