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**Lab Dept:** Chemistry

**Test Name:** CLOBAZAM & DESMETHYLCLOBAZAM LEVEL

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***General Information***

**Lab Order Codes:** CLOB

**Synonyms:** Onfi; Clobazam and metabolite, serum or plasma

**CPT Codes:** 80299 – Quantitation of therapeutic drug, not elsewhere specified

**Test Includes:** Clobazam and desmethylclobazam concentrations measured in ng/mL.

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***Logistics***

**Test Indications:** Useful for therapeutic drug monitoring (TDM). Clobazam is used in the treatment of certain types of seizures.

**Lab Testing Sections:** Chemistry - Sendouts

**Referred to:** MedTox Laboratories (MedTox Test: 2837)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 3 - 6 days

**Special Instructions:** Serum Separator tubes are not recommended.

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***Specimen***

**Specimen Type:** Blood

**Container:** Red top (plain, no gel) tube or Green top (Lithium heparin no gel) tube

**Draw Volume:** 3mL (Minimum: 1.5 mL) blood

**Processed Volume:** 1 mL (Minimum: 0.5 mL) serum/plasma

**Collection:** Routine venipuncture

**Special Processing:** Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at room temperature (refrigerated if transport will take longer than 3 days). Forward promptly.

Specimen is stable for up to 3 days at room temperature, longer at refrigerated or frozen temperatures (timeline not specified by reference lab).

**Patient Preparation:** None

**Sample Rejection:** Mislabeled or unlabeled specimens

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***Interpretive***

<b>Reference Range:</b>	<b>Clobazam:</b>	30 – 300 ng/mL
	<b>Desmethyclobazam:</b>	300 – 3000 ng/mL

**Critical Values:** N/A

**Limitations:** Trough levels are most reproducible.

**Methodology:** Liquid chromatography/Tandem Mass Spectrometry (LC/MS/MS)

**References:** [MedTox Laboratories](#) (March 2024)

**Updates:**  
2/1/2016: CPT update  
6/20/2018: Updated TAT  
  
3/20/2024: Test name, CPT code, and minimum volume update.