

HOTLINE: Effective November 14, 2022

2001510

Glutaryl carnitine Quantitative, Urine

C5DC URINE

**Performed:** Friday  
**Reported:** 4-11 days

**Specimen Required:** Collect: Random urine. Avoid dilute urine when possible.  
Specimen Preparation: Transfer 2.5 mL urine to an ARUP Standard Transport Tube and freeze immediately. (Min: 1.0 mL)  
Storage/Transport Temperature: **Frozen. Separate specimens must be submitted when multiple tests are ordered.**  
Remarks: **Clinical information is needed for appropriate interpretation.** Additional required information includes age, gender, diet (e.g., TPN therapy), drug therapy, and family history. **Biochemical Genetics Patient History Form is available on the ARUP Web site at <http://www.aruplab.com/patienthistory> or by contacting ARUP Client Services.**  
Unacceptable Conditions: Specimens that have exposed to more than **three** freeze/thaw **cycles**.  
Stability (collection to initiation of testing): Ambient: Unacceptable; Refrigerated: **1 week**; Frozen: 1 month

**Reference Interval:**

Reports include age appropriate reference interval.

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Available Separately	Components	Reference Interval
No	Glutaryl carnitine, Urine	Less than or equal to 2.0 mmol/mol creatinine

**Interpretive Data:**

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

If patient is receiving carnitine supplements, results may not be informative. Clinical correlation is recommended for interpretation of the result. 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.