Lab Dept: Urine/Stool

Test Name: SUCCINYLACETONE, URINE

**General Information**

Lab Order Codes: SAUU

Synonyms: Succinylacetone, Random Urine

CPT Codes: 83291 – Organic acids; single, quantitative

Test Includes: Succinylacetone, urine creatinine and interpretation

**Logistics**

Test Indications: Diagnose and monitor patients with hereditary tyrosinemia type I. This compound is found only in patients with this disease, not other tyrosine disorders.

Lab Testing Sections: Urine/Stool - Sendouts

Referred to: Mayo Medical Laboratories (MML Test: ZW242) forward to ARUP Laboratories

Phone Numbers:
- MIN Lab: 612-813-6280
- STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: Varies. Results in 1-2 weeks

Special Instructions: Submit a random urine collection. No preservative. Refrigerate specimen during and after collection. Please submit a [Patient History for Biochemical Genetics](#) that includes: age, gender, diet, drug therapy, and family history.

**Specimen**

Specimen Type: Urine, random

Container: Plastic leakproof container (No preservative). Urine GUARD® collection container is preferred for a timed urine sample.

Draw Volume: Submit entire urine collection
**Processed Volume:** 5 mL (Minimum: 1 mL) urine

**Collection:** A random urine (first morning specimens are preferred) sample may be obtained by voiding into a urine cup and is often performed at the laboratory. Bring the refrigerated container to the lab with appropriate labeling.

**Special Processing:** Lab Staff: Mix collection well before aliquot is taken. Aliquot 5 mL (Minimum: 1 mL) urine. Store and ship at frozen temperatures. A frozen specimen is critical.

**Patient Preparation:** None

**Sample Rejection:** Mislabeled or unlabeled specimens; ambient specimens

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**Interpretive**

**Reference Range:** 0.000-0.300 mmol/mol CRT
An interpretive report will be provided.

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** Liquid Chromatography/Tandem Mass Spectrometry

**References:**
- Mayo Medical Laboratories August 2014
- ARUP Laboratories August 2014