
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

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