
Reporting Title: Succinylacetone, BS**Performing Location:** Rochester**Ordering Guidance:**

The preferred test for diagnosis and monitoring of patients with tyrosinemia type 1 is TYRBS / Tyrosinemia Follow Up Panel, Blood Spot.

Necessary Information:

Patient's age is required.

Specimen Requirements:

Submit only 1 of the following specimen types:

Preferred:

Specimen Type: Blood Spot

Supplies: Card - Blood Spot Collection (Filter Paper) (T493)

Container/Tube:

Preferred: Blood Spot Collection Card

Acceptable: Whatman Protein Saver 903 Paper, PerkinElmer 226 filter paper, Munktell filter paper, or blood collected in tube containing EDTA and dried on filter paper.

Specimen Volume: 2 blood spots

Collection Instructions:

1. At least 1 spot should be complete (ie, unpunched).
2. Do not expose specimen to heat or direct sunlight.
3. Do not stack wet specimens.
4. Keep specimen dry.
5. If collection of a new specimen is necessary, let blood dry on the Blood Spot Collection Card (T493) at ambient temperature in a horizontal position for a minimum of 3 hours.

Specimen Stability Information: Ambient (preferred) 7 days/Refrigerated 14 days/Frozen 90 days

Additional Information:

1. For collection instructions, see Blood Spot Collection Instructions
2. For collection instructions in Spanish, see Blood Spot Collection Card-Spanish Instructions (T777)
3. For collection instructions in Chinese, see Blood Spot Collection Card-Chinese Instructions (T800)

Acceptable

Specimen Type: Whole Blood

Container/Tube: Lavender top (EDTA)

Specimen Volume: 2 mL

Collection Instructions: Send whole blood specimen in original tube. Do not aliquot.

Specimen Stability Information: Refrigerate 6 days

Specimen Minimum Volume:

Blood Spot: 1

Whole Blood: 0.5 mL

Forms:

If not ordering electronically, complete, print, and send a Biochemical Genetics Test Request (T798) with the specimen.

Specimen Type	Temperature	Time	Special Container
Whole blood	Varies		

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
22714	Interpretation	Alphanumeric		59462-2
607629	Succinylacetone	Numeric	nmol/mL	53231-7
607630	Tyrosine	Numeric	nmol/mL	35571-9
22716	Reviewed By	Alphanumeric		18771-6

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

84510

82542

82542 (if appropriate for government payers)

Reference Values:

SUCCINYLACETONE

< or =1.0 nmol/mL

TYROSINE

<4 weeks: 40-280 nmol/mL

> or =4 weeks: 25-150 nmol/mL