

Reporting Title: Tyrosinemia Follow Up Panel, BS
Performing Location: Rochester

Necessary Information:
Patient's age and reason for testing are 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 tubes containing EDTA and dried on filter paper
Specimen Volume: 2 Blood spots
Collection Instructions:
1. An alternative blood collection option for a patient older than 1 year is a fingerstick. For detailed instructions, see [How to Collect Dried Blood Spot Samples](#).
2. At least 2 spots should be complete (ie, unpunched).
3. Let blood dry on filter paper at room temperature in a horizontal position for a minimum of 3 hours.
4. Do not expose specimen to heat or direct sunlight.
5. Do not stack wet specimens.
6. Keep specimen dry.
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

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		

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
TYRBS	BG722	Reason for Referral: <ul style="list-style-type: none">Follow up of a known patientRule out Tyrosinemia Type IMonitoring of treatmentFollow up of an abnormal newborn screen.	Answer List	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
607553	Tyrosine	Numeric	nmol/mL	35571-9
607554	Phenylalanine	Numeric	nmol/mL	29573-3
607555	Methionine	Numeric	nmol/mL	47700-0
607556	Succinylacetone	Numeric	nmol/mL	53231-7
607557	Nitisinone	Numeric	nmol/mL	85098-2
607552	Reviewed By	Alphanumeric		18771-6
BG722	Reason for Referral	Alphanumeric		42349-1

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

- 84510
- 84030
- 82542
- 80299
- 82131
- 82542 only (if appropriate for government payers)

Reference Values:

TYROSINE:
<4 weeks 40-280 nmol/mL
> or =4 weeks 25-150 nmol/mL

PHENYLALANINE:
27-107 nmol/mL

METHIONINE
11-45 nmol/mL

SUCCINYLACETONE:

< or =1.0 nmol/mL

NITISINONE:

< or =0.5 nmol/mL