

Reporting Title: Thallium, 24 Hr, U

Performing Location: Mayo Clinic Laboratories - Rochester Superior Drive

Necessary Information:

24-Hour volume (in milliliters) is required.

Specimen Requirements:

Patient Preparation: High concentrations of gadolinium and iodine are known to potentially interfere with most inductively coupled plasma mass spectrometry-based metal tests. If either gadolinium or iodine containing contrast media has been administered, a specimen should not be collected for 96 hours.

Supplies: Urine Tubes, 10 mL (T068)

Collection Container/Tube: Clean, plastic urine container with no metal cap or glued insert

Submission Container/Tube: Plastic, 10-mL urine tube or a clean, plastic aliquot container with no metal cap or glued insert

Specimen Volume: 10 mL

Collection Instructions:

1. Collect urine for 24 hours.

2. Refrigerate specimen within 4 hours of completion of 24-hour collection.

3. Aliquot 10 mL into a plastic 10-mL urine tube (T068) or a clean, plastic aliquot container with no metal cap or glued insert.

4. See [Metals Analysis Specimen Collection and Transport](#) for complete instructions.

Additional Information: See [Urine Preservatives-Collection and Transportation for 24-Hour Urine Specimens](#) for multiple collections.

Urine Preservative Collection Options:

Note: The addition of preservative or application of temperature controls must occur within 4 hours of completion of the collection.

Ambient (no additive)	OK
Refrigerate (no additive)	Preferred
Frozen (no additive)	OK
50% Acetic Acid	OK
Boric Acid	No
Diazolidinyl Urea	No
6M Hydrochloric Acid	OK
6M Nitric Acid	OK
Sodium Carbonate	No
Thymol	No

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	28 days	
	Ambient	28 days	
	Frozen	28 days	

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
TLU	TIME2	Collection Duration (h)	Plain Text	Yes
TLU	VL12	Volume (mL)	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
8603	Thallium, 24 Hr, U	Numeric	mcg/24 h	5746-3
TIME2	Collection Duration (h)	Alphanumeric		13362-9
VL12	Volume (mL)	Alphanumeric		3167-4

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

Supplemental Report:

No

CPT Code Information:

83018

Reference Values:

0-17 years: Not established

> or =18 years: <2 mcg/24 hours