

Reporting Title: Lead, 24 Hr, U

Performing Location: Rochester

Ordering Guidance:

The Centers for Disease Control and Prevention recommends venous blood collection for lead testing; see PBDV / Lead, Venous, with Demographics, Blood

Necessary Information:

[24-Hour volume \(in milliliters\) is required.](#)

Specimen Requirements:

**Patient Preparation:** High concentrations of gadolinium and iodine are known to interfere with most 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. 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	OK
Refrigerate	Preferred
Frozen	OK
50% Acetic Acid	OK
Boric Acid	No
Diazolidinyl Urea	No
6M Hydrochloric Acid	OK
6M Nitric Acid	OK
Sodium Carbonate	No
Thymol	No
Toluene	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
PBU	TM83	Collection Duration	Plain Text	Yes
PBU	VL84	Urine Volume	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
31085	Lead, 24 Hr, U	Numeric	mcg/24 h	5677-0
TM83	Collection Duration	Alphanumeric		13362-9
VL84	Urine Volume	Alphanumeric		3167-4

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

Supplemental Report:

No

CPT Code Information:

83655

Reference Values:

0-17 years: Not established

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