

Reporting Title: Oxalate, 24 Hr, U

Performing Location: Rochester

Necessary Information:

24-hour volume (in milliliters) is required.

Specimen Requirements:

Patient Preparation: For 24 hours before, as well as during the collection process, patient should not take large doses (>2 g orally/24 hours) of vitamin C.

Supplies:

-Diazolidinyl Urea (Germall) 5.0 mL (T822)

-Sarstedt Aliquot Tube, 5mL (T914)

Container/Tube: Plastic tube or a clean, plastic aliquot container with no metal cap or glued insert

Specimen Volume: 4 mL

Collection Instructions:

1. Add 5 mL of diazolidinyl urea (Germall) as a preservative at start of collection or refrigerate specimen during and after collection.
2. Collect urine for 24 hours.
3. Mix container thoroughly and aliquot urine into plastic vial.
4. Specimen pH should be between 4.5 and 8 and will stay in this range if kept refrigerated. Specimens with pH above 8 indicate bacterial contamination, and testing will be canceled. **Do not** attempt to adjust pH, as it will adversely affect results.
- Additional Information: See [Urine Preservatives-Collection and Transportation for 24-Hour Urine Specimens](#) for multiple collections.

Forms:

If not ordering electronically, complete, print, and send a [Renal Diagnostics Test Request](#) (T830) with the specimen.

Urine Preservative Collection Options:

Note: The addition of preservative **must occur at the start of collection** or application of temperature controls **must occur during and after** collection.

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

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	14 days	
	Frozen	14 days	
	Ambient	72 hours	

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
OXU	TM17	Collection Duration	Plain Text	Yes
OXU	VL15	Urine Volume	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
OCATE	Oxalate, 24 Hr, U (mmol/24 hr)	Numeric	mmol/24 h	14862-7
OXU1	Oxalate, 24 Hr, U (mg/24 hr)	Numeric	mg/24 h	2701-1
TM17	Collection Duration	Numeric	h	13362-9
VL15	Urine Volume	Numeric	mL	3167-4

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

Supplemental Report:

No

CPT Code Information:

83945

Reference Values:

0.11-0.46 mmol/24 h

9.7-40.5 mg/24 h

The reference value is for a 24-hour collection. Specimens collected for other than a 24-hour period are reported in unit of mmol/L for which reference values are not established.

Reference values have not been established for patients who are younger than 16 years.