

# OXALATE, RANDOM URINE

## Orderable - OXALU

Turn Around Time: 10 days

### Specimen:

Random urine
(24-hour urine is the preferred sample type; see Lab Test Information Guide entry for Citrate, 24-hour Urine)

### Collection Information:

Collect random urine in a sterile container and deliver to the core lab as soon as possible so that acid preservative can be added.

Minimum volume of urine required is 5 mL.

Patient should restrict intake of vitamin C-rich foods and vitamin C supplements for 48 hours prior to urine collection.

### Reference Ranges:

Age	Range
< 6 months:	≤ 0.37 mmol/mmol creatinine
6-24 months:	≤ 0.26 mmol/mmol creatinine
2-5 years:	≤ 0.14 mmol/mmol creatinine
6-12 years:	≤ 0.08 mmol/mmol creatinine
> 18 years:	≤ 0.04 mmol/mmol creatinine

### Interpretive Comments:

High values are found in primary hyperoxaluria, diseases of the distal ileum, pyridoxine deficiency, and ethylene glycol poisoning. Consumption of oxalate-rich foods (e.g. rhubarb, strawberries, spinach, and tomatoes) may increase excretion.



**Laboratory:**  
Core Lab



**Requisition:**  
GENERAL LABORATORY  
REQUISITION




**Method of Analysis:**  
Enzymatic



**Test Schedule:**  
Referred out Monday-  
Thursday



**Referred Out Location:**  
[In-Common Laboratories](#)



OXALATE,  
RANDOM  
URINE

**Special Processing:**

Add 4 drops of 6 N HCl to random urine collection. Final pH should be 1-3.

**Storage and Shipment:**

Store and ship frozen.