

OXALATE, RANDOM URINE

Orderable - OXALU

Turnaround 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](#)



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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.