

CITRATE, RANDOM URINE

Orderable - CITU

Turn Around Time: 14 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.

Reference Ranges:

≥ 0.1036 mmol/mmol creatinine

Interpretive Comments:

Urinary citrate is a major inhibitor of kidney stone formation due in part to binding of calcium in urine. Low urine citrate levels are considered a risk for kidney stone formation.

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.



Laboratory:
Core Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Enzymatic



Test Schedule:
Referred out Monday-
Thursday



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