

Reporting Title: Oxalate, Plasma
Performing Location: Rochester

Specimen Requirements:

Any client who has never collected a specimen for this test should call 800-533-1710 or 507-266-5700 and ask for the Clinical Specialty Laboratory for more detailed instructions.

Patient Preparation:

- 1. Fasting (for a minimum of 12 hours)
- 2. Patient should avoid taking vitamin C supplements for 24 hours prior to collection.

Specimen Type: Acidified plasma

Collection Container/Tube: Green top (sodium heparin)

Submission Container/Tube: Plastic vial

Specimen Volume: 5 mL

Collection Instructions:

- 1. Place specimen on wet ice immediately.
- 2. Centrifuge for 10 minutes at 3500 rpm within 1 hour of collection. Use of a 4 degrees C refrigerated centrifuge is optimal but not required.
- 3. Aliquot plasma into a plastic vial.
- 4. Adjust the pH of the plasma specimen to a pH of 2.3-2.7 with approximately 10 mcL concentrated (12M) hydrochloric acid (or 20 mcL of 6M HCl) per 1 mL plasma.

Additional Information: Nonacidified specimens can be accepted if the heparinized plasma is properly frozen. A disclaimer will be added in nonacidified plasma, "Sample was received nonacidified and frozen. In nonacidified samples oxalate values may increase spontaneously." Although there can be a small absolute increase of plasma oxalate in nonacidified specimens, this will not change the clinical interpretation.

Forms:

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

Specimen Type	Temperature	Time	Special Container
Plasma Na Heparin	Frozen	30 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
POXA1	Oxalate, Plasma	Numeric	mcmol/L	15085-4

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

Supplemental Report:

No

CPT Code Information:

83945

Reference Values:

< or =2.0 mcmol/L

Reference values have not been established for patients younger than 18 years of age or older than 87 years of age.