

Overview
Method Name

Spectrophotometry (SP)

NY State Available

No

Specimen
Specimen Type

Urine

Specimen Required
Specimen Type: Urine

Submission Container/Tube: Plastic, preservative-free urine container

Specimen Volume: 10 mL

Collection Instructions:

Do not include first morning specimen; collect all subsequent voidings. The last sample collected should be the first morning specimen voided the following morning at the same time as the previous morning's first voiding. Specify 24-hour total volume on container.

1. Collect urine for 24 hours in a 24-hour urine container with no preservative.
2. Send 10 mL urine refrigerated in a plastic, preservative-free urine container.
3. Collection total volume is required.

Specimen Minimum Volume

1.5 mL

Reject Due To

Hemolysis	NA
Lipemia	NA
Icterus	NA
Other	Random Urine; Received room temperature; Acidified urine

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	30 days	

Specimen Type	Temperature	Time	Special Container
	Frozen	60 days	
	Ambient	8 hours	

Clinical and Interpretive

Reference Values

Citric Acid, 24-Hour Urine:

100-1300 mg/24 h

Citric Acid/Creat Ratio:

Males: 60-660 mg/g creat

Females: 180-1070 mg/g creat

Creatinine, 24-Hour Urine:

Reference Ranges for Creatinine, 24-Hour Urine:

<3 years: Not Established

3-8 years: 0.10-0.80 g/24 h

9-12 years: 0.20-1.40 g/24 h

13-17 years: 0.40-1.90 g/24 h

>17 years: 0.50-2.15 g/24 h

Performance

PDF Report

No

Day(s) Performed

Tuesday, Thursday, Saturday

Report Available

5 to 11 days

Performing Laboratory Location

Quest Diagnostics Nichols Institute

Fees and Codes

Fees

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their Regional Manager. For assistance, contact [Customer Service](#).

CPT Code Information

82507

81050, if appropriate

LOINC® Information

Test ID	Test Order Name	Order LOINC Value
FCA24	Citric Acid, 24H U with Creat	Not Provided

Result ID	Test Result Name	Result LOINC Value
Z6051	Total Volume	3167-4
Z6052	Citric Acid, 24-Hour Urine	6687-8
Z6053	Citric Acid/Creat Ratio	44306-9
Z6054	Creatinine, 24-Hour Urine	2162-6