

TEST CHANGE

Citric Acid, Urine

0020852, CITRIC U

Specimen Requirements:

Patient Preparation:

Collect: 24-hour urine. Refrigerate during collection. Also acceptable: Random urine.

Specimen Preparation: Adjust pH to less than or equal to 2 by adding 6M HCl. Transfer a 4 mL aliquot of urine to an ARUP ~~standard transport tube~~ **Standard Transport Tube**. (Min: 0.5 mL) Record total volume, collection time interval, and pH on transport tube and test request form. Also acceptable: Specimens previously preserved with boric acid.

Transport Temperature: Refrigerated.

Unacceptable Conditions:

Remarks:

Stability: Ambient: ~~24~~**8** hours; Refrigerated: 2 weeks; Frozen: 1 month

Methodology: Quantitative Enzymatic Assay

Performed: Sun-Sat

Reported: Within 24 hours

Note:

CPT Codes: 82507

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

Per 24h calculations are provided to aid interpretation for collections with a duration of 24 hours and an average daily urine volume. For specimens with notable deviations in collection time or volume, ratios of analytes to a corresponding urine creatinine concentration may assist in result interpretation.

~~This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.~~

Reference Interval:

Test Number	Components	Reference Interval		
	<u>Creatinine</u> <u>Citric Acid</u> , Urine - per 24h	<u>18 years and older: 320-1240 mg/d</u>		
		<u>Age</u>	<u>Male (mg/d)</u>	<u>Female (mg/d)</u>
		<u>3-8 years</u>	<u>140-700</u>	<u>140-700</u>
		<u>9-12 years</u>	<u>300-1300</u>	<u>300-1300</u>
		<u>13-17 years</u>	<u>500-2300</u>	<u>400-1600</u>
		<u>18-50 years</u>	<u>1000-2500</u>	<u>700-1600</u>
		<u>51-80 years</u>	<u>800-2100</u>	<u>500-1400</u>
		<u>81 years and older</u>	<u>600-2000</u>	<u>400-1300</u>
	Citric Acid/Creatinine Ratio, Urine	1 year and older: greater than or equal to 150 mg/g.		
	<u>Citric Acid, Urine - per 24h</u>	<u>18 years and older: 320-1240 mg/d</u>		