

Reporting Title: Carnitine, U**Performing Location:** Rochester**Specimen Requirements:**

Supplies: Urine Tubes, 10 mL (T068)

Container/Tube: Plastic, 10-mL urine tube

Specimen Volume: 1.5 mL

Collection Instructions:

1. Collect a random urine specimen.
2. No preservative.

Specimen Minimum Volume:

0.5 mL

Forms:

If not ordering electronically, complete, print, and send a Biochemical Genetics Test Request (T798) with the specimen.

Specimen Type	Temperature	Time	Special Container
Urine	Frozen (preferred)	365 days	
	Refrigerated	72 hours	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
27121	Total	Alphanumeric	nmol/mg Cr	17866-5
27122	Free (FC)	Alphanumeric	nmol/mg Cr	17867-3
15789	AC/FC Ratio	Alphanumeric		43576-8
21550	Interpretation	Alphanumeric		59462-2

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

82379

Reference Values:

FREE CARNITINE:

77-214 nmol/mg of creatinine

TOTAL CARNITINE:

180-412 nmol/mg of creatinine

RATIO:

Acylcarnitine to free carnitine: 0.7-3.4