

Reporting Title: Coenzyme Q10, Reduced and Total, P**Performing Location:** Rochester**Specimen Requirements:**

Collection Container/Tube: Green top (lithium or sodium heparin)

Submission Container/Tube: Plastic vial

Specimen Volume: 0.5 mL

Collection Instructions:

1. Fasting (8 hours)

2. Immediately place specimen on wet ice. Maintain on wet ice and process within 3 hours of draw.

3. Spin down, separate plasma from cells, and immediately freeze specimen.

Forms: If not ordering electronically, submit a Biochemical Genetics Request Form (Supply T439) with the specimen.

Specimen Type	Temperature	Time
Plasma Heparin	Frozen (preferred)	72 hours
	Refrigerated	8 hours

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
87853	CoQ10 reduced	Numeric	mcg/L	In Process
30091	CoQ10 Total	Numeric	mcg/L	27923-2
30092	CoQ10 % reduced	Numeric	%	In Process
30159	Interpretation	Alphanumeric		59462-2

CPT Code: 1 × 82492**Reference Values:**

CoQ10 REDUCED

<18 years: 320-1,376 mcg/L

> or =18 years: 415-1,480 mcg/L

TOTAL CoQ10

<18 years: 320-1,558 mcg/L

> or =18 years: 433-1,532 mcg/L

% REDUCED CoQ10

<18 years: 93-100%

> or =18 years: 92-98%

Miles MV, Horn PS, Tang PH, et al: Age-related changes in plasma coenzyme Q10 concentrations and redox state in apparently healthy children and adults. Clin Chim Acta 2004;34:139-144