





Patient ID M0002242	Patient Name SAMPLEREPORT, Q10 A	Birth Date 1971-09-28	Gender F	Age 40
Order Number M0002242	Client Order Number M0002242	Ordering Physician ,	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 27 Jun 2012 01:14		



Coenzyme Q10, Reduced and Total, P

CoQ10 reduced

 **2654.1 mcg/L**




MCR
Reference Value
415–1480

CoQ10 Total

 **3020 mcg/L**


MCR
Reference Value
433–1532

CoQ10 % reduced

 **88 %**


MCR
Reference Value
92–98

Interpretation

In this sample, the total coenzyme Q10 (CoQ10) concentration was elevated. This finding is likely related to

supplementation. Other possible causes include cardiovascular diseases or hypercholesterolemia. However, in plasma, CoQ10 exists primarily in the reduced form. A decreased percentage of reduced CoQ10 may occur as a result of increased oxidative stress. Please be aware that improper sample handling causes oxidation of CoQ10, resulting in a low percentage of reduced CoQ10. We need clinical and dietary information to provide further interpretation.

Please contact the Biochemical Genetics consultant on call (1–800–533–1710) if you have any questions.

ADDITIONAL INFORMATION

High-Performance Liquid Chromatography (HPLC) with Electrochemical Detection

Received: 27 Jun 2012 01:14

Reported: 27 Feb 2013 15:06

Performing Site Legend

Code	Laboratory	Address
MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905