

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 8/9/1995
Sex: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

Cytochrome b5 Reductase Enzyme Activity

ARUP test code 3003818

Cytochrome b5 Reductase Enzyme Activity **<2.0 U/g Hb L (Ref Interval: 7.8 - 13.1)**
 Consistent with cytochrome b5 reductase deficiency (also called methemoglobin reductase deficiency). Clinically significant cytochrome b5 reductase deficiency causes recessive congenital methemoglobinemia (RCM), types I and II, both associated with cyanosis from birth. Type I affects red blood cells only and is relatively benign. Type II is global (affects both red and white blood cells) and is associated with severe neurologic dysfunction. Clinical findings and family studies are useful to establish the significance of the enzyme activity level and a definitive diagnosis.
 No Charge- LSI Client Testing
 -----ADDITIONAL INFORMATION-----
 This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.
 Test Performed by:
 Mayo Clinic Laboratories - Rochester Main Campus
 200 First Street SW, Rochester, MN 55905
 Lab Director: William G. Morice M.D. Ph.D.; CLIA# 24D0404292

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Cytochrome b5 Reductase Enzyme Activity	21-081-103189	3/22/2021 8:53:00 AM	3/22/2021 9:54:02 AM	3/22/2021 12:46:00 PM

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 21-081-103189
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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