



LABORATORY REPORT

Example Client, XYZ123
1234 Warde Road
Ann Arbor MI 48108

EXAMPLE, REPORT W
WX0000003827 M 07/08/1978 45 Y

Referral Testing

Collected: 09/19/2023 08:53 Received: 09/19/2023 08:53

Table with 6 columns: Test Name, Result, Flag, Ref-Ranges, Units, Site. Row 1: Methemoglobin & Sulfhemoglob, B; Methemoglobin, Blood; 1.6; H; 0.0-1.5; %; MMRL

Methemoglobin absorbance is increased. This can be due to acquired methemoglobinemia. Other considerations include cytochrome b5 reductase deficiency [also called methemoglobin reductase deficiency] or hemoglobin variants that can absorb at the designated wavelength (M-hemoglobin variants). M-hemoglobin variants can manifest in elevated measurements of methemoglobin only, sulfhemoglobin only or both methemoglobin and sulfhemoglobin simultaneously. Correlation with hemoglobin electrophoresis results (HPLC method) may be useful. If evaluation for a hemoglobin variant is desired please call the Metabolic Hematology Laboratory or order a HBEL1 (Hemoglobin electrophoresis evaluation).

When found to be acquired, methemoglobinemia is most commonly encountered as a result of administration of such medications as local anesthetics (benzocaine, prilocaine, lidocaine), dapsone, phenacetin, phenazopyridine, sulfonamides, or following ingestion of nitrates or nitrites (well-water).

Methemoglobin concentrations may decline 40% per day.

-----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.

Table with 6 columns: Sulfhemoglobin, Blood; 0.0; 0.0-0.4; %; MMRL

-----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

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED



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Performing Site:
MMRL: MAYO MEDICAL REFERENCE LAB 3050 Superior Drive NW Rochester MN 55901

Reported Date: 2023.09.22 8:53 MEHGB

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

F319000002
WX0000003827

Ordered By: KAJAL SITWALA, MD, PhD
WX00000000002365

Printed D&T: 09/22/23 11:05

Kajal V. Sitwala, MD, PhD - Medical Director

Form: MM RL1

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