



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: 09/05/2023 09:11 Received: 09/05/2023 09:11

<u>Test Name</u>	<u>Result</u>	<u>Flag</u>	<u>Ref-Ranges</u>	<u>Units</u>	<u>Site</u>
Rickettsai Disease Profile	See Below				WMQC

Test Name	Result	Flag	Ref Range
RICKETT(RMSF) AB W/RFL			
RMSF IgG	NOT DETECTED		NOT DETECTED
RMSF IgM	NOT DETECTED		NOT DETECTED
RICKETT (TYPHUS) AB W/RFL			
R. typhi IgG	DETECTED AB		NOT DETECTED
R. typhi IgM	NOT DETECTED		NOT DETECTED
Q Fever IgG Phase I Scr	NEGATIVE		NEGATIVE
Q Fever IgG Phase II Scr	POSITIVE AB		NEGATIVE
Q Fever IgM Phase I Scr	NEGATIVE		NEGATIVE
Q Fever IgM Phase II Scr	NEGATIVE		NEGATIVE

Q Fever Antibody testing includes differentiation of antibodies to Phase I and Phase II antigenic variants. Coxiella burnetii, which causes Q Fever, undergoes transitions between Phase I and Phase II states. These phases are serologically distinguishable and useful in the serodiagnosis of acute and chronic disease.

In some cases, the ratio of titer of phase II to phase I may indicate the stage of the disease. A ratio of greater than 1 may indicate the acute stage; greater than or equal to 1, granulomatous hepatitis; and less than 1, the chronic stage or endocarditis.

As with other infectious diseases, IgM antibodies are the first to appear. Usually they are detectable for a few weeks or, at the most, for a few months. IgG antibodies appear somewhat later but can persist for years, even for life. Although single phase II IgG titers of 1:256 or greater are considered evidence of acute C. burnetii disease, the best criterion for a dependable diagnosis is still the demonstration of a fourfold or higher increase in antibody titer between the acute and convalescent serum samples.

R. typhi IgG Titer	1:64	H	<1:64
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Measurement of antigen-specific IgG and IgM allows

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

F305000009
 WX0000003827
 Printed D&T: 09/05/23 09:13

Ordered By: KAJAL SITWALA, MD, PhD
 WX00000000002365

Kajal V. Sitwala, MD, PhD - Medical Director
 Form: MM RL1
 PAGE 1 OF 2



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Table with 6 columns: Test Name, Result, Flag, Ref-Ranges, Units, Site. Contains text describing rickettsial agents, IgM reactivity, and Ehrlichia chaffeensis.

Performed at Quest Diagnostics Nichols Institute
33608 Ortega Highway San Juan Capistrano, CA 92675-2042
Laboratory Director: I Maramica MD, PhD, MBA

WMQC: QUEST DIAGNOSTICS REFERENCE LAB CAPISTRANO 33608 Ortega Highway San Juan Capistrano CA 92675

Reported Date: 2023.09.05 9:13

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