

## Update Notes

The JAK2X update below is a CPT code modification to a test that went live on 1/6/26. However, we noticed that JAK2X has not yet been built or activated by many of our users. Please refer to [THIS WEBPAGE](#) for information regarding the clinical utility of this new reflex testing option for suspected myeloproliferative neoplasms.

Note that Warde will send another update mid-cycle, dedicated solely to test inactivations/replacements in the Flow Cytometry department. The go-live date for flow cytometry test code changes will be 3/10/2026.

## Update Summary

<b>New Test Activation</b>	2/3/2026	<a href="#">APABT - "Anaplasma phagocytophilum Abs (IgG, IgM), w/ Ref to Titers"</a>
<b>New Test Activation</b>	2/3/2026	<a href="#">APECT - "A. phagocytophilum &amp; E. chaffeensis Ab Panel Ref to Titers"</a>
<b>New Test Activation</b>	2/3/2026	<a href="#">BMABT - "Babesia microti Antibodies (IgG, IgM) w/ Reflex to Titers"</a>
<b>New Test Activation</b>	2/3/2026	<a href="#">ECABT - "Ehrlichia chaffeensis Antibodies (IgG, IgM) w/ Ref to Titer"</a>
<b>New Test Activation</b>	2/10/2026	<a href="#">ELF - "Enhanced Liver Fibrosis (ELF) Score"</a>
<b>New Test Activation</b>	2/10/2026	<a href="#">VWFP - "von Willebrand Factor Panel"</a>
<b>Update Existing Test</b>	2/10/2026	<a href="#">BCTX - "Collagen Type 1, C-Telopeptide (CTX)"</a>
<b>Update Existing Test</b>	2/3/2026	<a href="#">CNTMA - "Chlamydia/N. gonorrhoeae and T. vaginalis RNA, Qual, TMA"</a>
<b>Update Existing Test</b>	2/3/2026	<a href="#">CNTTP - "C. trichomatis/ N.gonnorrhoeae by TMA, ThinPrep"</a>
<b>Update Existing Test</b>	2/2/2026	<a href="#">CORF - "Cortisol, Free, LC/MS/MS"</a>
<b>Update Existing Test</b>	2/2/2026	<a href="#">CORFQ - "Cortisol, Free and Total"</a>
<b>Update Existing Test</b>	2/3/2026	<a href="#">DREN - "Direct Renin"</a>
<b>Update Existing Test</b>	2/3/2026	<a href="#">EPCSF - "Epilepsy, Autoimm/Paraneo, CSF"</a>
<b>Update Existing Test</b>	1/26/2026	<a href="#">FXRM1 - "Fragile X (FMR1) with Reflex to Methylation Analysis"</a>
<b>Update Existing Test</b>	2/10/2026	<a href="#">GH - "Growth Hormone, Human"</a>
<b>Update Existing Test</b>	2/10/2026	<a href="#">IGF1 - "Insulin-like Growth Factor 1"</a>
<b>Update Existing Test</b>	2/3/2026	<a href="#">JAK2X - "JAK2 with reflex to NGS for ex12/CALR/MPL"</a>
<b>Update Existing Test</b>	2/3/2026	<a href="#">METPQ - "Metanephrides, Plasma Free"</a>
<b>Update Existing Test</b>	2/10/2026	<a href="#">OHPRG - "17-alpha Hydroxyprogesterone"</a>
<b>Update Existing Test</b>	2/2/2026	<a href="#">OXLDL - "Oxidized LDL"</a>
<b>Update Existing Test</b>	2/3/2026	<a href="#">PNPAB - "Paraneoplastic Ab Eval, Serum"</a>
<b>Update Existing Test</b>	2/3/2026	<a href="#">SWCN - "C. trachomatis/N. gonorrhoeae RNA, TMA, Surepath"</a>
<b>Inactivate Test With Replacement</b>	2/10/2026	<a href="#">HTL12 - "HTLV-1 and 2 (EIA) with Reflex" replaced by HTLVR - "HTLV Types I/II Abs with Reflex to HTLV-I/II Confirmation"</a>
<b>Inactivate Test With Replacement</b>	2/2/2026	<a href="#">HYDRS - "Hydroxyzine and Metabolite, Serum/Plasma" replaced by HYDSP - "Hydroxyzine and Metabolites, Serum/Plasma"</a>

<b>Inactivate Test With Replacement</b>	2/10/2026	<a href="#"><u>INFX - "Infliximab Quant with Reflex to Ab to Infliximab, Serum"</u></a> <a href="#"><u>replaced by INFXR - "Infliximab Quant with Reflex to Abs to Infliximab, Serum"</u></a>
<b>Inactivate Test Without Replacement</b>	2/3/2026	<a href="#"><u>HEPCF - "Heparin Cofactor II"</u></a>

**New Test Activation**

<b>Effective Date</b>	2/3/2026
<b>Name</b>	Anaplasma phagocytophilum Abs (IgG, IgM), w/ Ref to Titers
<b>Code</b>	APABT
<b>CPT Code(s)</b>	86666 x 2, plus 86666 each titer, at additional cost
<b>Notes</b>	New York DOH Approval Status: Yes

**Specimen Requirements**

<b>Specimen Required</b>	<p><i>Collect:</i> Serum separator tube (SST)</p> <p><i>Specimen Preparation:</i> Centrifuge, separate serum from cells and send 1.0 mL serum in a screw capped plastic vial.</p> <p><i>Minimum Volume:</i> 0.2 mL</p> <p><i>Transport Temperature:</i> Refrigerated</p>
<b>Alternate Specimen</b>	Serum: Red top
<b>Stability</b>	<p>Room temperature: 7 days</p> <p>Refrigerated: 14 days</p> <p>Frozen: 30 days</p>

**Performing Information**

<b>Methodology</b>	Immunofluorescence assay		
<b>Reference Range</b>	<p>A. phagocytophilum Ab (IgG), Screen</p> <p>A. phagocytophilum Ab (IgM), Screen</p> <p>A. phagocytophilum Ab (IgG), Titer</p> <p>A. phagocytophilum Ab (IgM), Titer</p>	<p>Not Detected</p> <p>Not Detected</p> <p>&lt;1:64</p> <p>&lt;1:20</p>	
<b>Performed Days</b>	Monday, Wednesday - Saturday		
<b>Turnaround Time</b>	3 - 5 days		
<b>Performing Laboratory</b>	Quest		

**Interface Information**

<b>Legacy Code</b>	APABT		
<b>Interface Order Code</b>	3401133		
<b>Result Code</b>	<b>Name</b>	<b>LOINC Code</b>	<b>AOE/Prompt</b>
3401123	A. phagocytophilum, IgG, Screen	29856-2	No
3401124	A. phagocytophilum, IgM, Screen	29857-0	No
3401126	A. phagocytophilum, IgG, Titer	23877-4	No
3401127	A. phagocytophilum, IgM, Titer	23878-2	No

**LABORATORY REPORT**

 QC ACCOUNT (WARDE)  
 300 W. TEXTILE  
 ANN ARBOR MI 48108

**EXAMPLE, REPORT**

WX0000000158 M 07/08/1968 57 Y

**Referral Testing**

Collected: 01/16/2026 11:57 Received: 01/16/2026 11:57

Test Name	Result	Flag	Ref-Ranges	Units	Site
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**Anaplasma phagocytophilum Abs (IgG, IgM), w/ Ref to Titors**

A. phagocytophilum, IgG, Screen	<b>Detected</b>	<b>AB</b>	Not Detected		QHRL
A. phagocytophilum, IgM, Screen	<b>Detected</b>	<b>AB</b>	Not Detected		QHRL

Seroconversion demonstrated by a 4-fold or greater increase in IgG titer or a single IgG titer of > or = 1:128 is considered supportive laboratory evidence of current or past infection. Antibodies may persist for months to years after clearance of infection. Serologic cross reactivity between closely related organisms, such as Ehrlichia species, Rickettsia rickettsiae, and Coxiella burnetii can occur.

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

Test Performed by Quest, Chantilly, Quest Diagnostics Nichols Institute, 14225 Newbrook Drive, Chantilly, VA 20151 Patrick W Mason, M.D., Ph.D., Director of Laboratories (703) 802-6900, CLIA 49D0221801

A. phagocytophilum, IgG, Titer	<b>1:64</b>	<b>H</b>	<1:64	Titer	QHRL
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Test Performed by Quest, Chantilly, Quest Diagnostics Nichols Institute, 14225 Newbrook Drive, Chantilly, VA 20151 Patrick W Mason, M.D., Ph.D., Director of Laboratories (703) 802-6900, CLIA 49D0221801

A. phagocytophilum, IgM, Titer	<b>1:160</b>	<b>H</b>	<1:20	Titer	QHRL
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Test Performed by Quest, Chantilly, Quest Diagnostics Nichols Institute, 14225 Newbrook Drive, Chantilly, VA 20151 Patrick W Mason, M.D., Ph.D., Director of Laboratories (703) 802-6900, CLIA 49D0221801

Reported Date: 01/16/2026 12:00 APABT

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

**New Test Activation**

<b>Effective Date</b>	2/3/2026
<b>Name</b>	A. phagocytophilum & E. chaffeensis Ab Panel Ref to Titers
<b>Code</b>	APECT
<b>CPT Code(s)</b>	86666 x 4, plus 86666 each titer, at additional cost
<b>Notes</b>	New York DOH Approval Status: Yes

**Specimen Requirements**

<b>Specimen Required</b>	<p><i>Collect:</i> Serum separator tube (SST)</p> <p><i>Specimen Preparation:</i> Centrifuge, separate serum from cells and send 1.0 mL serum in a screw capped plastic vial.</p> <p><i>Minimum Volume:</i> 0.4 mL</p> <p><i>Transport Temperature:</i> Refrigerated</p>
<b>Alternate Specimen</b>	Serum: Red top
<b>Stability</b>	<p>Room temperature: 7 days</p> <p>Refrigerated: 14 days</p> <p>Frozen: 30 days</p>

**Performing Information**

<b>Methodology</b>	Immunofluorescence assay		
<b>Reference Range</b>	<p>A. phagocytophilum Ab (IgG), Screen</p> <p>A. phagocytophilum Ab (IgM), Screen</p> <p>E. chaffeensis Ab (IgG), Screen</p> <p>E. chaffeensis Ab (IgM), Screen</p> <p>A. phagocytophilum Ab (IgG), Titer</p> <p>A. phagocytophilum Ab (IgM), Titer</p> <p>E. chaffeensis Ab (IgG), Titer</p> <p>E. chaffeensis Ab (IgM), Titer</p>	<p>Not Detected</p> <p>Not Detected</p> <p>Not Detected</p> <p>Not Detected</p> <p>&lt;1:64</p> <p>&lt;1:20</p> <p>&lt;1:64</p> <p>&lt;1:20</p>	
<b>Performed Days</b>	Tuesday - Saturday		
<b>Turnaround Time</b>	3 - 5 days		
<b>Performing Laboratory</b>	Quest		

**Interface Information**

<b>Legacy Code</b>	APECT		
<b>Interface Order Code</b>	3401122		
<b>Result Code</b>	<b>Name</b>	<b>LOINC Code</b>	<b>AOE/Prompt</b>
3401123	A. phagocytophilum, IgG, Screen	29856-2	No
3401124	A. phagocytophilum, IgM, Screen	29857-0	No
3401126	A. phagocytophilum, IgG, Titer	23877-4	No
3401127	A. phagocytophilum, IgM, Titer	23878-2	No
3401128	E. chaffeensis, IgG, Screen	22283-6	No
3401129	E. chaffeensis, IgM, Screen	7876-6	No
3401131	E. chaffeensis, IgG, Titer	47405-6	No
3401132	E. chaffeensis, IgM, Titer	48850-2	No

QC ACCOUNT (WARDE)  
 300 W. TEXTILE  
 ANN ARBOR MI 48108

**EXAMPLE, REPORT**

WX0000000237 F 12/05/1988 37 Y

**Referral Testing**

Collected: 01/16/2026 12:02 Received: 01/16/2026 12:02

Test Name	Result	Flag	Ref-Ranges	Units	Site
<b>A. phagocytophilum &amp; E. chaffeensis Ab Panel Ref to Titers</b>					
A. phagocytophilum, IgG, Screen	<b>Detected</b>	<b>AB</b>	Not Detected		QHRL
A. phagocytophilum, IgM, Screen	<b>Detected</b>	<b>AB</b>	Not Detected		QHRL
<p>Seroconversion demonstrated by a 4-fold or greater increase in IgG titer or a single IgG titer of &gt; or = 1:128 is considered supportive laboratory evidence of current or past infection. Antibodies may persist for months to years after clearance of infection. Serologic cross reactivity between closely related organisms, such as Ehrlichia species, Rickettsia rickettsiae, and Coxiella burnetii can occur.</p> <p>This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.</p>					
A. phagocytophilum, IgG, Titer	<b>1:128</b>	<b>H</b>	<1:64	Titer	QHRL
<p>Test Performed by Quest, Chantilly, Quest Diagnostics Nichols Institute, 14225 Newbrook Drive, Chantilly, VA 20151</p> <p>Patrick W Mason, M.D., Ph.D., Director of Laboratories (703) 802-6900, CLIA 49D0221801</p>					
A. phagocytophilum, IgM, Titer	<b>1:160</b>	<b>H</b>	<1:20	Titer	QHRL
<p>Test Performed by Quest, Chantilly, Quest Diagnostics Nichols Institute, 14225 Newbrook Drive, Chantilly, VA 20151</p> <p>Patrick W Mason, M.D., Ph.D., Director of Laboratories (703) 802-6900, CLIA 49D0221801</p>					
E. chaffeensis, IgG, Screen	<b>Detected</b>	<b>AB</b>	Not Detected		QHRL
E. chaffeensis, IgM, Screen	<b>Detected</b>	<b>AB</b>	Not Detected		QHRL
<p>Seroconversion demonstrated by a 4-fold or greater increase in IgG titer or a single IgG titer of &gt; or = 1:128 is considered presumptive laboratory evidence of current or past infection. Antibodies may persist for months to years after clearance of infection. Serologic cross reactivity between closely related organisms, such as Anaplasma species, can occur.</p> <p>This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.</p> <p>Test Performed by Quest, Chantilly, Quest Diagnostics Nichols Institute, 14225 Newbrook Drive, Chantilly, VA 20151</p>					

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

E516000008

WX0000000237

Printed D&amp;T: 01/16/26 12:05

Ordered By: CLIENT CLIENT

WX00000000000511

Kajal V. Sitwala, MD, PhD - Medical Director

Form: MM RL1

PAGE 1 OF 2



## LABORATORY REPORT

QC ACCOUNT (WARDE)  
300 W. TEXTILE  
ANN ARBOR MI 48108

### EXAMPLE, REPORT

WX0000000237 F 12/05/1988 37 Y

### Referral Testing

Collected: 01/16/2026 12:02 Received: 01/16/2026 12:02

Test Name	Result	Flag	Ref-Ranges	Units	Site
Patrick W Mason, M.D., Ph.D., Director of Laboratories (703) 802-6900, CLIA 49D0221801					
E. chaffeensis, IgG, Titer	<b>1:256</b>	H	<1:64	Titer	QHRL
Test Performed by Quest, Chantilly, Quest Diagnostics Nichols Institute, 14225 Newbrook Drive, Chantilly, VA 20151 Patrick W Mason, M.D., Ph.D., Director of Laboratories (703) 802-6900, CLIA 49D0221801					
E. chaffeensis, IgM, Titer	<b>1:80</b>	H	<1:20	Titer	QHRL
Test Performed by Quest, Chantilly, Quest Diagnostics Nichols Institute, 14225 Newbrook Drive, Chantilly, VA 20151 Patrick W Mason, M.D., Ph.D., Director of Laboratories (703) 802-6900, CLIA 49D0221801					
				Reported Date: 01/16/2026 12:04 APECT	

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

E516000008  
WX0000000237  
Printed D&T: 01/16/26 12:05

Ordered By: CLIENT CLIENT  
WX000000000000511

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

**New Test Activation**

<b>Effective Date</b>	2/3/2026
<b>Name</b>	Babesia microti Antibodies (IgG, IgM) w/ Reflex to Titers
<b>Code</b>	BMABT
<b>CPT Code(s)</b>	86753 x 2, plus 86753 each titer, at additional cost
<b>Notes</b>	New York DOH Approval Status: Yes

**Specimen Requirements**

<b>Specimen Required</b>	<p><i>Collect:</i> Serum separator tube (SST)</p> <p><i>Specimen Preparation:</i> Centrifuge, separate serum from cells and send 1.0 mL serum in a screw capped plastic vial.</p> <p><i>Minimum Volume:</i> 0.2 mL</p> <p><i>Transport Temperature:</i> Refrigerated</p>
<b>Alternate Specimen</b>	Serum: Red top
<b>Stability</b>	<p>Room temperature: 72 hours</p> <p>Refrigerated: 7 days</p> <p>Frozen: 30 days</p>

**Performing Information**

<b>Methodology</b>	Immunofluorescence assay		
<b>Reference Range</b>	Babesia microti Ab (IgG), Screen	Not Detected	
	Babesia microti Ab (IgM), Screen	Not Detected	
	Babesia microti Ab (IgG), Titer	<1:64	
	Babesia microti Ab (IgM), Titer	<1:20	
<b>Performed Days</b>	Monday, Wednesday - Saturday		
<b>Turnaround Time</b>	3 - 5 days		
<b>Performing Laboratory</b>	Quest		

**Interface Information**

<b>Legacy Code</b>	BMABT		
<b>Interface Order Code</b>	3401136		
<b>Result Code</b>	<b>Name</b>	<b>LOINC Code</b>	<b>AOE/Prompt</b>
3401137	Babesia microti Ab, IgG, Screen	43893-7	No
3401138	Babesia microti Ab, IgM, Screen	27965-3	No
3401139	Babesia microti Ab, IgG, Titer	16117-4	No
3401141	Babesia microti Ab, IgM, Titer	16118-2	No

**LABORATORY REPORT**

 QC ACCOUNT (WARDE)  
 300 W. TEXTILE  
 ANN ARBOR MI 48108

**EXAMPLE, REPORT**

WX0000000158 M 07/08/1968 57 Y

**Referral Testing**

Collected: 01/16/2026 12:09 Received: 01/16/2026 12:09

Test Name	Result	Flag	Ref-Ranges	Units	Site
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**Babesia microti Antibodies (IgG, IgM) w/ Reflex to Titers**

Babesia microti Ab, IgG, Screen	<b>Detected</b>	<b>AB</b>	Not Detected	QHRL
Babesia microti Ab, IgM, Screen	<b>Detected</b>	<b>AB</b>	Not Detected	QHRL

Confirmation with a blood smear or PCR is recommended for diagnosis of acute Babesiosis. A single acute antibody titer is not sufficient to establish a diagnosis. IgG titers > or = 1:1024 or presence of IgM suggest recent infection. Antibodies may persist for months to years after clearance of infection. The extent of cross-reactivity between Babesia species is variable and other species (e.g., Babesia duncani) may not be detected by this assay.

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

Test Performed by Quest, Chantilly,  
 Quest Diagnostics Nichols Institute,  
 14225 Newbrook Drive, Chantilly, VA 20151  
 Patrick W Mason, M.D., Ph.D., Director of Laboratories  
 (703) 802-6900, CLIA 49D0221801

Babesia microti Ab, IgG, Titer	<b>1:256</b>	<b>H</b>	<1:64	Titer	QHRL
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Test Performed by Quest, Chantilly,  
 Quest Diagnostics Nichols Institute,  
 14225 Newbrook Drive, Chantilly, VA 20151  
 Patrick W Mason, M.D., Ph.D., Director of Laboratories  
 (703) 802-6900, CLIA 49D0221801

Babesia microti Ab, IgM, Titer	<b>1:80</b>	<b>H</b>	<1:20	Titer	QHRL
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Test Performed by Quest, Chantilly,  
 Quest Diagnostics Nichols Institute,  
 14225 Newbrook Drive, Chantilly, VA 20151  
 Patrick W Mason, M.D., Ph.D., Director of Laboratories  
 (703) 802-6900, CLIA 49D0221801

Reported Date: 01/16/2026 12:10 BMABT

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

**New Test Activation**

<b>Effective Date</b>	2/3/2026
<b>Name</b>	Ehrlichia chaffeensis Antibodies (IgG, IgM) w/ Ref to Titer
<b>Code</b>	ECABT
<b>CPT Code(s)</b>	86666 x 2, plus 86666 each titer, at additional cost
<b>Notes</b>	New York DOH Approval Status: Yes

**Specimen Requirements**

<b>Specimen Required</b>	<p><i>Collect:</i> Serum separator tube (SST)</p> <p><i>Specimen Preparation:</i> Centrifuge, separate serum from cells and send 1.0 mL serum in a screw capped plastic vial.</p> <p><i>Minimum Volume:</i> 0.2 mL</p> <p><i>Transport Temperature:</i> Refrigerated</p>
<b>Alternate Specimen</b>	Serum: Red top
<b>Stability</b>	<p>Room temperature: 7 days</p> <p>Refrigerated: 14 days</p> <p>Frozen: 30 days</p>

**Performing Information**

<b>Methodology</b>	Immunofluorescence assay	
<b>Reference Range</b>	<p>E. chaffeensis Ab (IgG), Screen</p> <p>E. chaffeensis Ab (IgM), Screen</p> <p>E. chaffeensis Ab (IgG), Titer</p> <p>E. chaffeensis Ab (IgM), Titer</p>	<p>Not Detected</p> <p>Not Detected</p> <p>&lt;1:64</p> <p>&lt;1:20</p>
<b>Performed Days</b>	Monday, Wednesday - Saturday	
<b>Turnaround Time</b>	3 - 5 days	
<b>Performing Laboratory</b>	Quest	

**Interface Information**

<b>Legacy Code</b>	ECABT		
<b>Interface Order Code</b>	3401134		
<b>Result Code</b>	<b>Name</b>	<b>LOINC Code</b>	<b>AOE/Prompt</b>
3401128	E. chaffeensis, IgG, Screen	22283-6	No
3401129	E. chaffeensis, IgM, Screen	7876-6	No
3401131	E. chaffeensis, IgG, Titer	47405-6	No
3401132	E. chaffeensis, IgM, Titer	48850-2	No

QC ACCOUNT (WARDE)  
 300 W. TEXTILE  
 ANN ARBOR MI 48108

**EXAMPLE, REPORT**

WX0000000237 F 12/05/1988 37 Y

**Referral Testing**

Collected: 01/16/2026 12:12 Received: 01/16/2026 12:12

Test Name	Result	Flag	Ref-Ranges	Units	Site
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**Ehrlichia chaffeensis Antibodies (IgG, IgM) w/ Ref to Titers**

E. chaffeensis, IgG, Screen	<b>Detected</b>	<b>AB</b>	Not Detected	QHRL
E. chaffeensis, IgM, Screen	<b>Detected</b>	<b>AB</b>	Not Detected	QHRL

Seroconversion demonstrated by a 4-fold or greater increase in IgG titer or a single IgG titer of > or = 1:128 is considered presumptive laboratory evidence of current or past infection. Antibodies may persist for months to years after clearance of infection. Serologic cross reactivity between closely related organisms, such as Anaplasma species, can occur. This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

Test Performed by Quest, Chantilly, Quest Diagnostics Nichols Institute, 14225 Newbrook Drive, Chantilly, VA 20151  
 Patrick W Mason, M.D., Ph.D., Director of Laboratories (703) 802-6900, CLIA 49D0221801

E. chaffeensis, IgG, Titer	<b>1:256</b>	<b>H</b>	<1:64	Titer	QHRL
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Test Performed by Quest, Chantilly, Quest Diagnostics Nichols Institute, 14225 Newbrook Drive, Chantilly, VA 20151  
 Patrick W Mason, M.D., Ph.D., Director of Laboratories (703) 802-6900, CLIA 49D0221801

E. chaffeensis, IgM, Titer	<b>1:20</b>	<b>H</b>	<1:20	Titer	QHRL
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Test Performed by Quest, Chantilly, Quest Diagnostics Nichols Institute, 14225 Newbrook Drive, Chantilly, VA 20151  
 Patrick W Mason, M.D., Ph.D., Director of Laboratories (703) 802-6900, CLIA 49D0221801

Reported Date: 01/16/2026 12:13 ECABT

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

**New Test Activation**

<b>Effective Date</b>	2/10/2026
<b>Name</b>	Enhanced Liver Fibrosis (ELF) Score
<b>Code</b>	ELF
<b>CPT Code(s)</b>	81517
<b>Notes</b>	New York DOH Approval Status: Yes

**Specimen Requirements**

<b>Specimen Required</b>	<p><i>Patient Preparation:</i> Dietary supplements containing biotin may interfere in assays and may skew analyte results to be either falsely high or falsely low. For patients receiving the recommended daily doses of biotin, draw samples at least 8 hours following the last biotin supplementation. For patients on mega-doses of biotin supplements, draw samples at least 72 hours following the last biotin supplementation.</p> <p><i>Collect:</i> Serum separator tube (SST)</p> <p><i>Specimen Preparation:</i> Centrifuge, separate from cells ASAP or within 2 hours of collection and send 1.0 mL serum in a screw capped plastic vial.</p> <p><i>Minimum Volume:</i> 0.5 mL</p> <p><i>Transport Temperature:</i> Refrigerated</p>
<b>Alternate Specimen</b>	Serum: Red top
<b>Rejection Criteria</b>	Gross hemolysis
<b>Stability</b>	<p>Room temperature: 48 hours</p> <p>Refrigerated: 7 days</p> <p>Frozen: 30 days</p>

**Performing Information**

<b>Methodology</b>	Chemiluminescence Immunoassay
<b>Reference Range</b>	<9.80
<b>Performed Days</b>	Tuesday, Thursday, Saturday
<b>Turnaround Time</b>	4 - 5 days
<b>Performing Laboratory</b>	Quest

**Interface Information**

<b>Legacy Code</b>	ELF		
<b>Interface Order Code</b>	3401121		
<b>Result Code</b>	<b>Name</b>	<b>LOINC Code</b>	<b>AOE/Prompt</b>
3401121	Enhanced Liver Fibrosis (ELF) Score	88055-9	No

QC ACCOUNT (WARDE)  
 300 W. TEXTILE  
 ANN ARBOR MI 48108

**EXAMPLE, REPORT**

WX0000000237 F 12/05/1988 37 Y

**Referral Testing**

Collected: 01/07/2026 09:33 Received: 01/07/2026 09:33

Test Name	Result	Flag	Ref-Ranges	Units	Site
Enhanced Liver Fibrosis (ELF) Score	8.00		<9.80		QCRL
ELF score ranges and associated risk of disease progression (development of cirrhosis or liver-related events):					
< 9.80                   Lower					
> or = 9.80 - <11.30   Mid					
> or = 11.30           Higher					

In the Mid group, the risk of disease progression is similar to the pre-test risk. Pre-test risk refers to the likelihood of disease progression in the overall intended use population without considering the ELF score. Results should always be interpreted in conjunction with the patient's medical history, clinical presentation, and other findings.

ELF results > or = 7.7 may suggest the need for further specialized assessment, based on expert opinion, as noted in the AASLD 2023 NAFLD practice guidance figure 2 algorithm. Reference: Rinella ME et al. Hepatology. 2023;77:1797-1835.

<https://doi.org/10.1097/HEP.000000000000323> For additional test details, please visit: [TestDirectory.QuestDiagnostics.com](https://TestDirectory.QuestDiagnostics.com) For additional NAFLD resources, please visit:

[www.QuestDiagnostics.com/NAFLD](https://www.QuestDiagnostics.com/NAFLD)

Test Performed at:

Quest Diagnostics Nichols Institute  
 33608 Ortega Highway  
 San Juan Capistrano, CA 92675-2042

I Maramica MD, PhD, MBA

**Reported Date:** 01/07/2026 09:34 ELF

**Performing Site:**

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

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

E507000002

WX000000000237

Printed D&T: 01/07/26 09:35

Ordered By: CLIENT CLIENT

WX00000000000511

Kajal V. Sitwala, MD, PhD - Medical Director

Form: MM RL1

PAGE 1 OF 1

**New Test Activation**

<b>Effective Date</b>	2/10/2026
<b>Name</b>	von Willebrand Factor Panel
<b>Code</b>	VWFP
<b>CPT Code(s)</b>	85240, 85246, 85397
<b>Notes</b>	New York DOH Approval Status: Yes

**Specimen Requirements**

<b>Specimen Required</b>	<p><i>Patient Preparation:</i> Collect using coagulation test collection methods.</p> <p><i>Collect:</i> Light blue sodium citrate</p> <p><i>Specimen Preparation:</i> Send 3.0 mL platelet-poor plasma in a screw capped plastic vial. CRITICAL FROZEN. Separate specimens must be submitted when multiple tests are ordered.</p> <p><i>Minimum Volume:</i> 1.0 mL</p> <p><i>Transport Temperature:</i> CRITICAL FROZEN</p>
<b>Rejection Criteria</b>	Serum, EDTA plasma, clotted or hemolyzed specimens
<b>Stability</b>	<p>Room temperature: 4 hours</p> <p>Refrigerated: Unacceptable</p> <p>Frozen: 3 months</p>

**Performing Information**

<b>Methodology</b>	Electromagnetic Mechanical Clot Detection/Microlatex Particle-Mediated Immunoassay/Quantitative Immunoturbidimetry
<b>Reference Range</b>	See report
<b>Performed Days</b>	Monday - Saturday
<b>Turnaround Time</b>	3 - 5 days
<b>Performing Laboratory</b>	ARUP Reference Laboratory

**Interface Information**

<b>Legacy Code</b>	VWFP		
<b>Interface Order Code</b>	3600557		
<b>Result Code</b>	<b>Name</b>	<b>LOINC Code</b>	<b>AOE/Prompt</b>
3600558	Factor VIII, Activity	3209-4	No
3600559	von Willebrand Factor, Activity (GPIbM)	107372-5	No
3600561	von Willebrand Factor, Antigen	27816-8	No

QC ACCOUNT (WARDE)  
 300 W. TEXTILE  
 ANN ARBOR MI 48108

**EXAMPLE, REPORT**

WX0000000237 F 12/05/1988 37 Y

**Referral Testing**

Collected: 01/26/2026 07:18 Received: 01/26/2026 07:18

Test Name	Result	Flag	Ref-Ranges	Units	Site
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**von Willebrand Factor Panel**

Factor VIII, Activity	100		56-191	%	ARRL
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REFERENCE INTERVAL: Factor VIII, Activity

Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).

von Willebrand Factor, Activity (GPIbM)	100		51-215	%	ARRL
---	-----	--	--------	---	------

INTERPRETIVE INFORMATION: von Willebrand Factor Activity, GPIbM

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

von Willebrand Factor, Antigen	100		52-214	%	ARRL
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REFERENCE INTERVAL: von Willebrand Factor, Antigen

Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).

 Performed By: ARUP Laboratories  
 500 Chipeta Way  
 Salt Lake City, UT 84108  
 Laboratory Director: Jonathan R. Genzen, MD, PhD  
 CLIA Number: 46D0523979

Reported Date: 01/26/2026 07:18 VWFP

Performing Site:

ARRL: ARUP REFERENCE LAB 500 Chipeta Way Salt Lake City UT 841081221

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

E526000000

WX0000000237

Printed D&amp;T: 01/26/26 07:18

Ordered By: CLIENT CLIENT

WX000000000000511

Kajal V. Sitwala, MD, PhD - Medical Director

Form: MM RL1

PAGE 1 OF 1

**Update Existing Test**

Effective Date	2/10/2026
Name	Collagen Type 1, C-Telopeptide (CTX)
Code	BCTX
Interface Order Code	3000907
Legacy Code	BCTX
Notes	Update to performed days and turnaround time.

**Required Testing Changes**

Performed Days	Tuesday, Thursday
Turnaround Time	1 - 5 days

**Update Existing Test**

Effective Date	2/3/2026
Name	Chlamydia/N. gonorrhoeae and T. vaginalis RNA, Qual, TMA
Code	CNTMA
Interface Order Code	3435200
Legacy Code	CNTMA
Notes	Update to CPT codes.

**Required Testing Changes**

CPT Code(s)	87494, 87661
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**Update Existing Test**

Effective Date	2/3/2026
Name	C. trichomatis/ N.gonnorrhoeae by TMA, ThinPrep
Code	CNTTP
Interface Order Code	3620200
Legacy Code	CHGCTPRP
Notes	Update to CPT code.

**Required Testing Changes**

CPT Code(s)	87494
-------------	-------

**Update Existing Test**

Effective Date	2/2/2026
Name	Cortisol, Free, LC/MS/MS
Code	CORF
Interface Order Code	3435300
Legacy Code	CORF
Notes	Update to methodology.

**Required Testing Changes**

Methodology	Equilibrium Dialysis, Chromatography/Mass Spectrometry
-------------	--

**Update Existing Test**

<b>Effective Date</b>	2/2/2026
<b>Name</b>	Cortisol, Free and Total
<b>Code</b>	CORFQ
<b>Interface Order Code</b>	3420200
<b>Legacy Code</b>	CORFQ
<b>Notes</b>	Update to specimen requirements, alternate specimen, rejection criteria, performed days, and turnaround time.

**Required Testing Changes**

<b>Specimen Required</b>	<p><i>Collect:</i> Red top</p> <p><i>Specimen Preparation:</i> Centrifuge, separate serum from the cells, and send 2.0 mL of serum aliquoted into two screw capped plastic vials, with 1.0 mL in each vial.</p> <p><i>Minimum Volume:</i> 1.4 mL in two 0.7 mL aliquots</p> <p><i>Transport Temperature:</i> Refrigerated</p>
<b>Alternate Specimen</b>	Plasma: Lavender EDTA
<b>Rejection Criteria</b>	Serum separator tube (SST)
<b>Performed Days</b>	Sunday - Friday
<b>Turnaround Time</b>	5 - 9 days

**Update Existing Test**

<b>Effective Date</b>	2/3/2026
<b>Name</b>	Direct Renin
<b>Code</b>	DREN
<b>Interface Order Code</b>	1003995
<b>Legacy Code</b>	DREN
<b>Notes</b>	Update to performed days.

**Required Testing Changes**

<b>Performed Days</b>	Monday - Friday
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**Update Existing Test**

<b>Effective Date</b>	2/3/2026
<b>Name</b>	Epilepsy, Autoimm/Paraneo, CSF
<b>Code</b>	EPCSF
<b>Interface Order Code</b>	3500037
<b>Legacy Code</b>	EPCSF
<b>Notes</b>	Update to CPT codes.

**Required Testing Changes**

<b>CPT Code(s)</b>	86255x19, 86341 (Plus others as appropriate)
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**Update Existing Test**

<b>Effective Date</b>	1/26/2026
<b>Name</b>	Fragile X (FMR1) with Reflex to Methylation Analysis
<b>Code</b>	FXRM1
<b>Interface Order Code</b>	3600211
<b>Legacy Code</b>	FXRM1
<b>Notes</b>	Update to stability.

**Required Testing Changes**

<b>Stability</b>	Room temperature: 7 days Refrigerated: 30 days Frozen: <b>Unacceptable</b>
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**Update Existing Test**

<b>Effective Date</b>	2/10/2026
<b>Name</b>	Growth Hormone, Human
<b>Code</b>	GH
<b>Interface Order Code</b>	1010080
<b>Legacy Code</b>	GH
<b>Notes</b>	Update to performed days.

**Required Testing Changes**

<b>Performed Days</b>	Monday, Wednesday, Friday
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**Update Existing Test**

<b>Effective Date</b>	2/10/2026
<b>Name</b>	Insulin-like Growth Factor 1
<b>Code</b>	IGF1
<b>Interface Order Code</b>	1004085
<b>Legacy Code</b>	IGF1
<b>Notes</b>	Update to performed days and turnaround time.

**Required Testing Changes**

<b>Performed Days</b>	Monday, Wednesday, Friday
<b>Turnaround Time</b>	1 - 4 days

**Update Existing Test**

<b>Effective Date</b>	2/3/2026
<b>Name</b>	JAK2 with reflex to NGS for ex12/CALR/MPL
<b>Code</b>	JAK2X
<b>Interface Order Code</b>	3000924
<b>Legacy Code</b>	JAK2X
<b>Notes</b>	Update to CPT code.

**Required Testing Changes**

<b>CPT Code(s)</b>	81270 plus other CPTs if reflex testing is performed, at additional cost
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**Update Existing Test**

<b>Effective Date</b>	2/3/2026
<b>Name</b>	Metanephrines, Plasma Free
<b>Code</b>	METPQ
<b>Interface Order Code</b>	3421900
<b>Legacy Code</b>	METANPQ
<b>Notes</b>	Update to turnaround time.

**Required Testing Changes**

<b>Turnaround Time</b>	6 - 7 days
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**Update Existing Test**

<b>Effective Date</b>	2/10/2026
<b>Name</b>	17-alpha Hydroxyprogesterone
<b>Code</b>	OHPRG
<b>Interface Order Code</b>	1009500
<b>Legacy Code</b>	17OHPROG
<b>Notes</b>	Update to performed days and turnaround time.

**Required Testing Changes**

<b>Performed Days</b>	Monday, Wednesday, Friday
<b>Turnaround Time</b>	1 - 4 days

**Update Existing Test**

<b>Effective Date</b>	2/2/2026
<b>Name</b>	Oxidized LDL
<b>Code</b>	OXLDL
<b>Interface Order Code</b>	3400282
<b>Legacy Code</b>	OXLDL
<b>Notes</b>	Update to specimen requirements, alternate specimen, rejection criteria, stability, and methodology.

**Required Testing Changes**

<b>Specimen Required</b>	<p><b>Collect:</b> Serum separator tube (SST)</p> <p><b>Specimen Preparation:</b> Gently invert tube 8 - 10 times immediately after draw. <b>DO NOT SHAKE.</b></p> <p><b>Centrifuge for 10 minutes.</b> Separate serum from cells and send 0.5 mL serum in a screw capped plastic vial.</p> <p><b>Minimum Volume:</b> 0.3 mL</p> <p><b>Transport Temperature:</b> Refrigerated</p>
<b>Alternate Specimen</b>	<b>Serum:</b> Red top
<b>Rejection Criteria</b>	<b>Plasma, whole blood</b>
<b>Stability</b>	<p>Room temperature: Unacceptable</p> <p>Refrigerated: <b>5 days</b></p> <p>Frozen (-20°C): <b>21 days</b></p> <p>Frozen (-70°C): <b>28 days</b></p>
<b>Methodology</b>	<b>Immunoassay</b>

**Update Existing Test**

<b>Effective Date</b>	2/3/2026
<b>Name</b>	Paraneoplastic Ab Eval, Serum
<b>Code</b>	PNPAB
<b>Interface Order Code</b>	3512040
<b>Legacy Code</b>	PNPABMA
<b>Notes</b>	Update to CPT codes.

**Required Testing Changes**

<b>CPT Code(s)</b>	86255 x9
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**Update Existing Test**

<b>Effective Date</b>	2/3/2026
<b>Name</b>	C. trachomatis/N. gonorrhoeae RNA, TMA, Surepath
<b>Code</b>	SWCN
<b>Interface Order Code</b>	3723400
<b>Legacy Code</b>	SWCN
<b>Notes</b>	Update to CPT code.

**Required Testing Changes**

<b>CPT Code(s)</b>	87494
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**Inactivate Test With Replacement**

<b>Effective Date</b>	2/10/2026
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**Inactivated Test**

<b>Name</b>	HTLV-1 and 2 (EIA) with Reflex
<b>Code</b>	HTL12
<b>Legacy Code</b>	HTLV12
<b>Interface Order Code</b>	3503620

**Replacement Test**

<b>Name</b>	HTLV Types I/II Abs with Reflex to HTLV-I/II Confirmation
<b>Code</b>	HTLVR
<b>CPT Code(s)</b>	86790, plus 86689 if repeatedly positive and reflexed to WB confirm, at additional cost
<b>Notes</b>	New York DOH Approval Status: Yes

**Specimen Requirements**

<b>Specimen Required</b>	Collect: Serum separator tube (SST) <i>Specimen Preparation:</i> Centrifuge, separate serum from cells within 2 hours and send 0.5 mL serum in a screw capped plastic vial. <i>Minimum Volume:</i> 0.5 mL <i>Transport Temperature:</i> Refrigerated
<b>Alternate Specimen</b>	Plasma: Lavender EDTA, green sodium or lithium heparin, light blue sodium citrate Serum: Red top
<b>Rejection Criteria</b>	Grossly hemolyzed, lipemic or heat-inactivated specimens, specimens containing particulate matter
<b>Stability</b>	Room temperature: Unacceptable Refrigerated: 7 days Frozen: Indefinitely

**Performing Information**

<b>Methodology</b>	Enzyme Linked Immunosorbent Assay
<b>Reference Range</b>	Negative
<b>Performed Days</b>	Sunday, Monday, Wednesday - Saturday If HTLV I/II screen is repeatedly reactive, then a confirmation by Western Blot will be added.
<b>Turnaround Time</b>	5 - 7 days
<b>Performing Laboratory</b>	ARUP Reference Laboratory

**Interface Information**

<b>Legacy Code</b>	HTLVR		
<b>Interface Order Code</b>	3600553		
<b>Result Code</b>	<b>Name</b>	<b>LOINC Code</b>	<b>AOE/Prompt</b>
3600554	HTLV I/II Antibodies by ELISA	29901-6	No
3600556	HTLV I/II Antibodies, Western Blot	16982-1	No

QC ACCOUNT (WARDE)  
 300 W. TEXTILE  
 ANN ARBOR MI 48108

**EXAMPLE, REPORT**

WX0000000158 M 07/08/1968 57 Y

**Referral Testing**

Collected: 01/16/2026 11:24 Received: 01/16/2026 11:24

Test Name	Result	Flag	Ref-Ranges	Units	Site
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**HTLV Types I/II Abs with Reflex to HTLV-I/II Confirmation**

HTLV I/II Antibodies by ELISA	See Confirm	AB	Negative	ARRL
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INTERPRETIVE INFORMATION: HTLV I/II Antibodies w/Reflex  
to Confirm

This assay should not be used for blood donor screening,  
associated re-entry protocols, or for screening Human Cell,  
Tissues and Cellular and Tissue-Based Products (HCT/P).

Performed By: ARUP Laboratories  
500 Chipeta Way  
Salt Lake City, UT 84108  
Laboratory Director: Jonathan R. Genzen, MD, PhD  
CLIA Number: 46D0523979

HTLV I/II Antibodies, Western Blot	Positive	AB	Negative	ARRL
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Clinical Interpretation:  
HTLV-I/II Western Blot Pattern:  
(Key: 0 = neg, \* = weak pos, 1 = moderate pos, 2 = strong  
pos, 3 = very strong pos, X=non-specific staining obscuring  
possible bands in that region)

GD21 p19 p24 p26 p28 p32 p36 gp46 p53 rgp46-II rgp46-I  
- - - - - - - - - - -

Interpretation: POSITIVE for HTLV-I antibodies.

The Western blot detected antibodies to HTLV consistent  
with HTLV-I infection. The patient should be considered  
infectious.

INTERPRETIVE INFORMATION: HTLV I/II Ab, Western Blot  
This assay should not be used for blood donor screening,  
associated re-entry protocols, or for screening Human  
Cells, Tissues and Cellular and Tissue-Based Products  
(HCT/P).

This test was developed and its performance characteristics  
determined by ARUP Laboratories. It has not been cleared or  
approved by the US Food and Drug Administration. This test  
was performed in a CLIA certified laboratory and is  
intended for clinical purposes.

Performed By: ARUP Laboratories  
500 Chipeta Way  
Salt Lake City, UT 84108  
Laboratory Director: Jonathan R. Genzen, MD, PhD  
CLIA Number: 46D0523979

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



## LABORATORY REPORT

QC ACCOUNT (WARDE)  
300 W. TEXTILE  
ANN ARBOR MI 48108

### EXAMPLE, REPORT

WX0000000158 M 07/08/1968 57 Y

### Referral Testing

Collected: 01/16/2026 11:24 Received: 01/16/2026 11:24

<u>Test Name</u>	<u>Result</u>	<u>Flag</u>	<u>Ref-Ranges</u>	<u>Units</u>	<u>Site</u>
					Reported Date: 01/16/2026 11:24 HTLVR
					Performing Site: ARRL: ARUP REFERENCE LAB 500 Chipeta Way Salt Lake City UT 841081221

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

E516000005

WX0000000158

Printed D&T: 01/16/26 11:24

Ordered By: CLIENT CLIENT

WX000000000000260

Kajal V. Sitwala, MD, PhD - Medical Director

Form: MM RL1

PAGE 2 OF 2

**Inactivate Test With Replacement**

<b>Effective Date</b>	2/2/2026
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**Inactivated Test**

<b>Name</b>	Hydroxyzine and Metabolite, Serum/Plasma
<b>Code</b>	HYDRS
<b>Legacy Code</b>	HYDRS
<b>Interface Order Code</b>	3302300

**Replacement Test**

<b>Name</b>	Hydroxyzine and Metabolites, Serum/Plasma
<b>Code</b>	HYDSP
<b>CPT Code(s)</b>	80375 (G0480)
<b>Notes</b>	New York DOH Approval Status: Yes

**Specimen Requirements**

<b>Specimen Required</b>	<i>Collect:</i> Red top <i>Specimen Preparation:</i> Centrifuge, separate serum from cells and send 1.0 mL serum in a screw capped plastic vial. <i>Minimum Volume:</i> 0.4 mL <i>Transport Temperature:</i> Refrigerated
<b>Alternate Specimen</b>	Plasma: EDTA
<b>Rejection Criteria</b>	Serum separator tube (SST), Plasma separator tube (PST)
<b>Stability</b>	Room temperature: 30 days Refrigerated: 30 days Frozen (-20°C): 30 days

**Performing Information**

<b>Methodology</b>	High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
<b>Reference Range</b>	See report
<b>Performed Days</b>	Varies
<b>Turnaround Time</b>	5 - 7 days
<b>Performing Laboratory</b>	NMS Labs

**Interface Information**

<b>Legacy Code</b>	HYDSP		
<b>Interface Order Code</b>	3300406		
<b>Result Code</b>	<b>Name</b>	<b>LOINC Code</b>	<b>AOE/Prompt</b>
3302310	Hydroxyzine	3686-3	No
3302320	Cetirizine		No
3300404	Norchlorcyclizine		No

**LABORATORY REPORT**

 QC ACCOUNT (WARDE)  
 300 W. TEXTILE  
 ANN ARBOR MI 48108

**EXAMPLE, REPORT**

WX0000000237 F 12/05/1988 37 Y

**Referral Testing**

Collected: 01/16/2026 11:50 Received: 01/16/2026 11:50

Test Name	Result	Flag	Ref-Ranges	Units	Site
<b>Hydroxyzine and Metabolites, Serum/Plasma</b>					
Hydroxyzine	None Detected			ng/mL	NMRL
	Reporting Limit: 5.0 ng/mL				
	Synonym(s): Atarax(R); Hydroxyzine Hydrochloride; Hydroxyzine Pamoate; Vistaril(R)				
	Daily oral dose: mean peak serum or plasma concentration and time				
	25 mg: 43 ng/mL at 3 hr				
	50 mg: 70 ng/mL at 2 hr; 30 ng/mL at 6 hr; and 22 ng/mL at 12 hr				
	100 mg: 78 ng/mL at 4 hr; and 35 ng/mL at 8 hr				
	Half-life: approximately 13-27 hr				
	Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)				
Cetirizine	None Detected			ng/mL	NMRL
	Reporting Limit: 50 ng/mL				
	Synonym(s): Zyrtec(R)				
	Cetirizine is an active metabolite of Hydroxyzine.				
	Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)				
Norchlorcyclizine	None Detected			ng/mL	NMRL
	Reporting Limit: 5.0 ng/mL				
	Norchlorcyclizine, also known as norhydroxyzine, is a metabolite of hydroxyzine and chlorcyclizine.				
	Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)				
	This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the US Food and Drug Administration.				
	Digital data review may have taken place remotely by qualified NMS staff utilizing a secure VPN connection for some or all of the reported results. This is in accordance with and follows CLIA regulations.				

Testing performed at NMS Labs, Inc.  
 200 Welsh Road  
 Horsham, PA 19044-2208  
 Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director  
 CLIA 39D0197898

Reported Date: 01/16/2026 11:51 HYDSP

Performing Site:

NMRL: NMS Labs 200 Welsh Road Horsham PA 19044

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

 E516000006  
 WX0000000237  
 Printed D&T: 01/16/26 11:56

 Ordered By: CLIENT CLIENT  
 WX000000000000511

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

**Inactivate Test With Replacement**

<b>Effective Date</b>	2/10/2026
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**Inactivated Test**

<b>Name</b>	Infliximab Quant with Reflex to Ab to Infliximab, Serum
<b>Code</b>	INFX
<b>Legacy Code</b>	INFX
<b>Interface Order Code</b>	3516100

**Replacement Test**

<b>Name</b>	Infliximab Quant with Reflex to Abs to Infliximab, Serum
<b>Code</b>	INFXR
<b>CPT Code(s)</b>	80230, plus 82397 if reflexed to antibody, at additional cost
<b>Notes</b>	New York DOH Approval Status: Yes

**Specimen Requirements**

<b>Specimen Required</b>	<i>Patient Preparation:</i> For 12 hours before specimen collection do not take supplements or vitamins containing biotin (vitamin B7). <i>Collect:</i> Red top <i>Specimen Preparation:</i> Centrifuge, separate serum from cells and send 1.0 mL serum in a screw capped plastic vial. <i>Minimum Volume:</i> 0.5 mL <i>Transport Temperature:</i> Refrigerated
<b>Rejection Criteria</b>	Grossly hemolyzed or icteric samples, Serum separator tube (SST)
<b>Stability</b>	Room temperature: Unacceptable Refrigerated: 28 days Frozen: 28 days

**Performing Information**

<b>Methodology</b>	Infliximab: Selective Reaction Monitoring LC/MS-MS Antibody: Electrochemiluminescent Bridging Immunoassay with Acid Dissociation
<b>Reference Range</b>	See report
<b>Performed Days</b>	Varies
<b>Turnaround Time</b>	5 - 8 days
<b>Performing Laboratory</b>	Mayo Clinic Laboratories

**Interface Information**

<b>Legacy Code</b>	INFXR		
<b>Interface Order Code</b>	3800427		
<b>Result Code</b>	<b>Name</b>	<b>LOINC Code</b>	<b>AOE/Prompt</b>
3800428	Infliximab, S	39803-2	No
3800429	Interpretation	59462-2	No
3800431	Infliximab Ab, S	72623-2	No
3800432	INXAB Interpretation	59462-2	No

**LABORATORY REPORT**

 QC ACCOUNT (WARDE)  
 300 W. TEXTILE  
 ANN ARBOR MI 48108

**EXAMPLE, REPORT**

WX0000000158 M 07/08/1968 57 Y

**Referral Testing**

Collected: 12/23/2025 14:48 Received: 12/23/2025 14:48

Test Name	Result	Flag	Ref-Ranges	Units	Site
<b>Infliximab Quant with Reflex to Abs to Infliximab, Serum</b>	<b>4.9</b>	<b>L</b>		mcg/mL	MMRL

 -----REFERENCE VALUE-----  
 Limit of Quantitation = 1.0 mcg/mL

Interpretation	SEE BELOW	MMRL
For clinical assessment of response to therapy, infliximab should be measured at trough. When infliximab trough concentrations are greater than 5.0 mcg/mL, clinically relevant antibodies-to-infliximab are unlikely and reflex testing will not be performed.		

 -----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 Superior Drive  
 3050 Superior Drive NW, Rochester, MN 55905  
 Lab Director: Nikola A. Baumann Ph.D.; CLIA# 24D1040592

Infliximab Ab, S	<20.0	<50.0	U/mL	MMRL
INXAB Interpretation	SEE BELOW			

Absence of detectable antibody-to-infliximab. Low concentration of infliximab may be attributable to other parameters related to infliximab clearance.

 -----ADDITIONAL INFORMATION-----  
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Reported Date: 12/23/2025 14:48 INFXR

Performing Site:

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

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

**Inactivate Test Without Replacement**

<b>Effective Date</b>	2/3/2026
<b>Name</b>	Heparin Cofactor II
<b>Code</b>	HEPCF
<b>Legacy Code</b>	HEPCOF
<b>Interface Code</b>	3503290
<b>Notes</b>	Test discontinued.