

Age: 25 Specimen: EN540830H Collected: 12/05/2016 08:46  
 Fasting: Requisition: 0238454 Received: 12/05/2016 08:51  
 Report Status: FINAL | SEE REPORT Reported: 12/07/2016 23:05

FASTING: YES

**▲ CBC (INCLUDES DIFF/PLT)**

**▲ WHITE BLOOD CELL COUNT**

Reference Range: 3.8-10.8 (Thousand/uL)



**RED BLOOD CELL COUNT**

Reference Range: 4.20-5.80 (Million/uL)



**HEMOGLOBIN**

Reference Range: 13.2-17.1 (g/dL)



**HEMATOCRIT**

Reference Range: 38.5-50.0 (%)



**MCV**

Reference Range: 80.0-100.0 (fL)



**MCH**

Reference Range: 27.0-33.0 (pg)



**MCHC**

Reference Range: 32.0-36.0 (g/dL)



**RDW**

Reference Range: 11.0-15.0 (%)



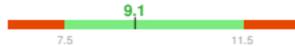
**PLATELET COUNT**

Reference Range: 140-400 (Thousand/uL)



**MPV**

Reference Range: 7.5-11.5 (fL)



**▲ ABSOLUTE NEUTROPHILS**

Reference Range: 1500-7800 (cells/uL)



**ABSOLUTE LYMPHOCYTES**

Reference Range: 850-3900 (cells/uL)



**ABSOLUTE MONOCYTES**

Reference Range: 200-950 (cells/uL)



**ABSOLUTE EOSINOPHILS**

Reference Range: 15-500 (cells/uL)



**ABSOLUTE BASOPHILS**

Reference Range: 0-200 (cells/uL)

**NEUTROPHILS**

%

**37.9****LYMPHOCYTES**

%

**51.6****MONOCYTES**

%

**8.0****EOSINOPHILS**

%

**1.9****BASOPHILS**

%

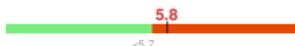
**0.6****▲ HSV 1/2 IGG,TYPE SPECIFIC AB HERPESELECT****▲ HSV 1 IGG TYPE SPECIFIC AB****>5.00 H****HSV 2 IGG TYPE SPECIFIC AB****<-0.90**

Value	Interpretation
<0.90	Negative
0.90-1.10	Equivocal
>1.10	Positive

This assay utilizes recombinant type-specific antigens to differentiate HSV-1 from HSV-2 infections. A positive result cannot distinguish between recent and past infection. If recent HSV infection is suspected but the results are negative or equivocal, the assay should be repeated in 4-6 weeks. The performance characteristics of the assay have not been established for pediatric populations, immunocompromised patients, or neonatal screening.

**▲ HEMOGLOBIN A1c****▲ HEMOGLOBIN A1c**

Reference Range: &lt;5.7 (% of total Hgb)



According to ADA guidelines, hemoglobin A1c <7.0% represents optimal control in non-pregnant diabetic patients. Different metrics may apply to specific patient populations. Standards of Medical Care in Diabetes-2013. Diabetes Care. 2013;36:s11-s66

For the purpose of screening for the presence of diabetes

<5.7%	Consistent with the absence of diabetes
5.7-6.4%	Consistent with increased risk for diabetes (prediabetes)
>=6.5%	Consistent with diabetes

This assay result is consistent with an increased risk of diabetes.

Currently, no consensus exists for use of hemoglobin A1c for diagnosis of diabetes for children.

**COMPREHENSIVE METABOLIC PANEL****GLUCOSE**

Reference Range: 65-99 (mg/dL)



Fasting reference interval

**UREA NITROGEN (BUN)**

Reference Range: 7-25 (mg/dL)



REFLEXIVE URINE CULTURE

NO CULTURE INDICATED

### HSV 1/2 AB (IGM), IFA W/RFL TO TITER

HSV 1 IGM SCREEN **NEGATIVE**

HSV 2 IGM SCREEN **NEGATIVE**

REFERENCE RANGE: NEGATIVE

The IFA procedure for measuring Igm antibodies to HSV 1 and HSV 2 detects both type-common and type-specific HSV antibodies. Thus, Igm reactivity to both HSV 1 and HSV 2 may represent cross-reactive HSV antibodies rather than exposure to both HSV 1 and HSV 2.

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

### CHLAMYDIA/N. GONORRHOEAE RNA, TMA

CHLAMYDIA TRACHOMATIS RNA, TMA **NOT DETECTED**

Reference Range: NOT DETECTED

NEISSERIA GONORRHOEAE RNA, TMA **NOT DETECTED**

Reference Range: NOT DETECTED

#### COMMENT

This test was performed using the APTIMA COMBO2 Assay (Gen-Probe Inc.).

The analytical performance characteristics of this assay, when used to test SurePath specimens have been determined by Quest Diagnostics.

### LIPID PANEL

#### CHOLESTEROL, TOTAL

Reference Range: 125-200 (mg/dL)



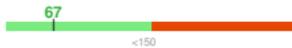
#### HDL CHOLESTEROL

Reference Range: > OR = 40 (mg/dL)



#### TRIGLYCERIDES

Reference Range: <150 (mg/dL)



#### LDL-CHOLESTEROL

Reference Range: <130 (mg/dL (calc))

Desirable range <100 mg/dL for patients with CHD or diabetes and <70 mg/dL for diabetic patients with known heart disease.



#### CHOL/HDL RATIO

Reference Range: < OR = 5.0 ((calc))



#### NON HDL CHOLESTEROL

mg/dL (calc)

**117**

Target for non-HDL cholesterol is 30 mg/dL higher than LDL cholesterol target.

### HEPATITIS PANEL, ACUTE W/REFLEX TO CONFIRMATION

MOHTASHAMI,AMIR (EN540830H)

4 / 7

10/1/17

HEPATITIS A IGM **NON-REACTIVE**

Reference Range: NON-REACTIVE

HEPATITIS B CORE ANTIBODY (IGM) **NON-REACTIVE**

Reference Range: NON-REACTIVE

#### HEPATITIS B SURFACE ANTIGEN W/REFL CONFIRM

HEPATITIS B SURFACE ANTIGEN **NON-REACTIVE**

Reference Range: NON-REACTIVE

#### HEPATITIS C AB W/REFL TO HCV RNA, QN, PCR

HEPATITIS C ANTIBODY **NON-REACTIVE**

Reference Range: NON-REACTIVE

SIGNAL TO CUT-OFF

Reference Range: <1.00



#### HIV 1/2 ANTIGEN/ANTIBODY,FOURTH GENERATION W/RFL

##### HIV 1/2 ANTIGEN/ANTIBODY, FOURTH GENERATION W/RFL

HIV AG/AB, 4TH GEN **NON-REACTIVE**

Reference Range: NON-REACTIVE

HIV-1 antigen and HIV-1/HIV-2 antibodies were not detected. There is no laboratory evidence of HIV infection.

PLEASE NOTE: This information has been disclosed to you from records whose confidentiality may be protected by state law. If your state requires such protection, then the state law prohibits you from making any further disclosure of the information without the specific written consent of the person to whom it pertains, or as otherwise permitted by law. A general authorization for the release of medical or other information is NOT sufficient for this purpose.

For additional information please refer to <http://education.questdiagnostics.com/faq/FAQ106> (This link is being provided for informational/educational purposes only.)

The performance of this assay has not been clinically validated in patients less than 2 years old.

#### URINALYSIS, COMPLETE W/REFLEX TO CULTURE

COLOR **YELLOW**

Reference Range: YELLOW

APPEARANCE **CLEAR**

Reference Range: CLEAR

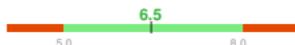
SPECIFIC GRAVITY

Reference Range: 1.001-1.035



PH

Reference Range: 5.0-8.0



GLUCOSE **NEGATIVE**

Reference Range: NEGATIVE

BILIRUBIN **NEGATIVE**

Reference Range: NEGATIVE

<b>KETONES</b> Reference Range: NEGATIVE	<b>NEGATIVE</b>
<b>OCCULT BLOOD</b> Reference Range: NEGATIVE	<b>NEGATIVE</b>
<b>PROTEIN</b> Reference Range: NEGATIVE	<b>NEGATIVE</b>
<b>NITRITE</b> Reference Range: NEGATIVE	<b>NEGATIVE</b>
<b>LEUKOCYTE ESTERASE</b> Reference Range: NEGATIVE	<b>NEGATIVE</b>
<b>WBC</b> Reference Range: < OR = 5 (/HPF)	<b>NONE SEEN</b>
<b>RBC</b> Reference Range: < OR = 2 (/HPF)	<b>NONE SEEN</b>
<b>SQUAMOUS EPITHELIAL CELLS</b> Reference Range: < OR = 5 (/HPF)	<b>NONE SEEN</b>
<b>BACTERIA</b> Reference Range: NONE SEEN (/HPF)	<b>NONE SEEN</b>
<b>HYALINE CAST</b> Reference Range: NONE SEEN (/LPF)	<b>NONE SEEN</b>

#### T4, FREE



#### TESTOSTERONE, TOTAL, MALES (ADULT), IA



#### TSH



#### VITAMIN B12/FOLATE, SERUM PANEL



FOLATE, SERUM  
ng/mL

14.2

Reference Range  
Low: <3.4  
Borderline: 3.4-5.4  
Normal: >5.4

#### VITAMIN D,25-OH,TOTAL,IA

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**VITAMIN D,25-OH,TOTAL,IA**

Reference Range: 30-100 (ng/mL)



Vitamin D Status 25-OH Vitamin D:

Deficiency: &lt;20 ng/mL

Insufficiency: 20 - 29 ng/mL

Optimal: &gt; or = 30 ng/mL

For 25-OH Vitamin D testing on patients on D2-supplementation and patients for whom quantitation of D2 and D3 fractions is required, the QuestAssured(TM) 25-OH VIT D, (D2,D3), LC/MS/MS is recommended: order code 92888 (patients >2yrs).

For more information on this test, go to:  
<http://education.questdiagnostics.com/Faq/FAQ163>  
(This link is being provided for informational/educational purposes only.)

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**RPR (DX) W/REFL TITER AND CONFIRMATORY TESTING****RPR (DX) W/REFL TITER AND CONFIRMATORY TESTING NON-REACTIVE**

Reference Range: NON-REACTIVE

**Performing Sites**

EN Quest Diagnostics-West Hills, 8401 Fallbrook Ave, West Hills, CA 91304-3226 Laboratory Director: Tab Toochinda, MD

TXC Quest Diagnostics-Infectious Disease, Inc, 33608 Ortega Highway, Building B-west Wing, San Juan Capistrano, CA 92675-2042 Laboratory Director: Hollis J Bateman MD

These results have been sent to the person that ordered the tests. Your receipt of these results should not be viewed as medical advice and is not meant to replace discussion with your doctor or other healthcare professional.

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