

## CHILDERS, APRIL V

DOB: 04/30/1970  
Sex: F  
Phone: (941) 587-5678  
Patient ID: AVC04301970

Age: 53  
Fasting: Y

Specimen: TZ628736K  
Requisition: 0047755  
Report Status: FINAL / SEE REPORT

Collected: 10/18/2023 11:39  
Received: 10/18/2023 11:46  
Reported: 10/25/2023 22:10

Client #: 107745  
KASTEN, CAMILLE A  
BRADENTON EAST INTEGRATIVE MED  
8614 E STATE ROAD 70 STE 200  
BRADENTON, FL 34202-3710  
Phone: (941) 727-1243  
Fax: (941) 751-9039

HOMOCYSTEINE TEST TO FOLLOW ; FASTING: YES COLLECTION KIT GIVEN TO PATIENT. PATIENT ADVISED

▲ **LIPID PANEL, STANDARD**

Analyte	Value	
▲ <b>CHOLESTEROL, TOTAL</b>	<b>240 H</b>	Reference Range: <200 mg/dL
<b>HDL CHOLESTEROL</b>	<b>65</b>	Reference Range: > OR = 50 mg/dL
<b>TRIGLYCERIDES</b>	<b>105</b>	Reference Range: <150 mg/dL
▲ <b>LDL-CHOLESTEROL</b>	<b>153 H</b>	mg/dL (calc)
Reference range: <100		
Desirable range <100 mg/dL for primary prevention; <70 mg/dL for patients with CHD or diabetic patients with > or = 2 CHD risk factors.		
LDL-C is now calculated using the Martin-Hopkins calculation, which is a validated novel method providing better accuracy than the Friedewald equation in the estimation of LDL-C. Martin SS et al. JAMA. 2013;310(19): 2061-2068 ( <a href="http://education.QuestDiagnostics.com/faq/FAQ164">http://education.QuestDiagnostics.com/faq/FAQ164</a> )		
<b>CHOL/HDLC RATIO</b>	<b>3.7</b>	Reference Range: <5.0 (calc)
▲ <b>NON HDL CHOLESTEROL</b>	<b>175 H</b>	Reference Range: <130 mg/dL (calc)
For patients with diabetes plus 1 major ASCVD risk factor, treating to a non-HDL-C goal of <100 mg/dL (LDL-C of <70 mg/dL) is considered a therapeutic option.		

▲ **CBC (INCLUDES DIFF/PLT)**

Analyte	Value	
<b>WHITE BLOOD CELL COUNT</b>	<b>8.1</b>	Reference Range: 3.8-10.8 Thousand/uL
<b>RED BLOOD CELL COUNT</b>	<b>4.30</b>	Reference Range: 3.80-5.10 Million/uL
<b>HEMOGLOBIN</b>	<b>13.8</b>	Reference Range: 11.7-15.5 g/dL
<b>HEMATOCRIT</b>	<b>38.6</b>	Reference Range: 35.0-45.0 %
<b>MCV</b>	<b>89.8</b>	Reference Range: 80.0-100.0 fL
<b>MCH</b>	<b>32.1</b>	Reference Range: 27.0-33.0 pg
<b>MCHC</b>	<b>35.8</b>	Reference Range: 32.0-36.0 g/dL
<b>RDW</b>	<b>12.3</b>	Reference Range: 11.0-15.0 %
▲ <b>PLATELET COUNT</b>	<b>482 H</b>	Reference Range: 140-400 Thousand/uL
<b>MPV</b>	<b>10.7</b>	Reference Range: 7.5-12.5 fL
<b>ABSOLUTE NEUTROPHILS</b>	<b>5654</b>	Reference Range: 1500-7800 cells/uL
<b>ABSOLUTE LYMPHOCYTES</b>	<b>1831</b>	Reference Range: 850-3900 cells/uL

ABSOLUTE MONOCYTES	527	Reference Range: 200-950 cells/uL
ABSOLUTE EOSINOPHILS	57	Reference Range: 15-500 cells/uL
ABSOLUTE BASOPHILS	32	Reference Range: 0-200 cells/uL
NEUTROPHILS	69.8	%
LYMPHOCYTES	22.6	%
MONOCYTES	6.5	%
EOSINOPHILS	0.7	%
BASOPHILS	0.4	%

### ▲ COMPLEMENT, TOTAL (CH50)

Analyte	Value	
▲ COMPLEMENT, TOTAL (CH50)	>60 H	Reference Range: 31-60 U/mL

### HEAVY METALS PANEL (VENOUS)

Analyte	Value	
<b>ARSENIC, BLOOD</b> Whole Blood Arsenic level >100 mcg/L is indicative of acute/chronic exposure. Urine is usually the best specimen for the analysis of arsenic in body fluids. Blood levels tend to be low even when urine concentrations are high  This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute Chantilly, VA. It has not been cleared or approved by the U.S. Food and Drug Administration. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.	<3	Reference Range: <23 mcg/L
<b>MERCURY, BLOOD</b> This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute Chantilly, VA. It has not been cleared or approved by the U.S. Food and Drug Administration. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.	<4	Reference Range: <=10 mcg/L
<b>LEAD (VENOUS)</b> A blood lead reference value of <5 mcg/dL should apply to only New York state residents per NYS DPH.  Analysis was performed by Inductively Coupled Plasma Mass Spectrometry (ICPMS)  This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute Chantilly, VA. It has not been cleared or approved by the U.S. Food and Drug Administration. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.	<1.0	Reference Range: <3.5 mcg/dL

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

Analyte	Value
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**VITAMIN D,25-OH,TOTAL,IA****41** Reference Range: 30-100 ng/mL

Vitamin D Status 25-OH Vitamin D:

Deficiency: <20 ng/mL  
Insufficiency: 20 - 29 ng/mL  
Optimal: > 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).

**COMMENT**

See Note 1

Note 1

For additional information, please refer to <http://education.QuestDiagnostics.com/faq/FAQ199> (This link is being provided for informational/ educational purposes only.)

**TRYPTASE**

Analyte	Value
<b>TRYPTASE</b>	<b>8.7</b> Reference Range: <11.0 mcg/L
The Tryptase test, fluorescent enzyme immunoassay (FEIA), measures both the Alpha and Beta forms of Tryptase. Measuring both forms of Tryptase increases sensitivity for the diagnosis of mastocytosis, and mast cell degranulation as a cause of anaphylaxis.	

**ESTROGENS, TOTAL, IA**

Analyte	Value
<b>ESTROGENS, TOTAL, IA</b>	<b>29</b> pg/mL
Reference Ranges for Total Estrogen:	
Follicular Phase: 51-601	
Luteal Phase: 87-1194	
Postmenopausal: < or = 214	

**ANGIOTENSIN-1-CONVERTING ENZYME**

Analyte	Value
<b>ANGIOTENSIN-1-CONVERTING ENZYME</b>	<b>9</b> Reference Range: 9-67 U/L

**IMMUNOGLOBULIN G**

Analyte	Value
<b>IMMUNOGLOBULIN G</b>	<b>1286</b> Reference Range: 600-1640 mg/dL

**IMMUNOGLOBULIN A**

Analyte	Value
<b>IMMUNOGLOBULIN A</b>	<b>310</b> Reference Range: 47-310 mg/dL

**IMMUNOGLOBULIN E**

Analyte	Value
<b>IMMUNOGLOBULIN E</b>	<b>11</b> Reference Range: <OR=114 kU/L

## TSH

Analyte	Value
<b>TSH</b>	<b>0.85</b> mIU/L
Reference Range	
> or = 20 Years 0.40-4.50	
Pregnancy Ranges	
First trimester 0.26-2.66	
Second trimester 0.55-2.73	
Third trimester 0.43-2.91	

## T4, FREE

Analyte	Value
<b>T4, FREE</b>	<b>0.8</b> Reference Range: 0.8-1.8 ng/dL

## C-REACTIVE PROTEIN

Analyte	Value
<b>C-REACTIVE PROTEIN</b>	<b>2.5</b> Reference Range: <8.0 mg/L

### Performing Sites



AMD Quest Diagnostics/Nichols Chantilly-Chantilly VA, 14225 Newbrook Dr, Chantilly, VA 20151-2228 Laboratory Director: Patrick W Mason M.D.,PhD

AT Quest Diagnostics-Atlanta, 1777 Montreal Circle, Tucker, GA 30084-6802 Laboratory Director: Dr Andrew N Young

EZ Quest Diagnostics/Nichols SJC-San Juan Capistrano,, 33608 Ortega Hwy, San Juan Capistrano, CA 92675-2042 Laboratory Director: Irina Maramica MD,PhD,MBA

TP Quest Diagnostics-Tampa, 4225 E Fowler Ave, Tampa, FL 33617-2026 Laboratory Director: Weston H Rothrock MD

### Key

 Priority Out of Range  Out of Range

These results have been sent to the person who 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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