



Patient Information	Specimen Information	Client Information
ANDERSON, KEMBERLI DOB: 10/19/1965 AGE: 57 Gender: F Fasting: Y Phone: 858.213.1101 Patient ID: 10191965KA Health ID: 8573007317631575	Specimen: ZD112173P Requisition: 0008587 Collected: 03/09/2023 / 08:38 PDT Received: 03/09/2023 / 23:17 PDT Reported: 03/16/2023 / 17:26 PDT	Client #: 76088698 TR03000 ANAND, WAYNEINDER S CONSULTANTS FOR LUNG DISEASES 201 S BUENA VISTA ST STE 440 BURBANK, CA 91505-4577

COMMENTS: FASTING: YES

Test Name	In Range	Out Of Range	Reference Range	Lab
LIPID PANEL WITH REFLEX TO DIRECT LDL				
CHOLESTEROL, TOTAL		206 H	<200 mg/dL	EN
HDL CHOLESTEROL	76		> OR = 50 mg/dL	EN
TRIGLYCERIDES	109		<150 mg/dL	EN
LDL-CHOLESTEROL		108 H	mg/dL (calc)	EN
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 (http://education.QuestDiagnostics.com/faq/FAQ164)				
CHOL/HDL-C RATIO	2.7		<5.0 (calc)	EN
NON HDL CHOLESTEROL		130 H	<130 mg/dL (calc)	EN
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.				
COMPREHENSIVE METABOLIC				
PANEL				EN
GLUCOSE	89		65-99 mg/dL	
Fasting reference interval				
UREA NITROGEN (BUN)	18		7-25 mg/dL	
CREATININE	0.82		0.50-1.03 mg/dL	
EGFR	83		> OR = 60 mL/min/1.73m2	
The eGFR is based on the CKD-EPI 2021 equation. To calculate the new eGFR from a previous Creatinine or Cystatin C result, go to https://www.kidney.org/professionals/kdoqi/gfr%5Fcalculator				
BUN/CREATININE RATIO	NOT APPLICABLE		6-22 (calc)	
SODIUM	140		135-146 mmol/L	
POTASSIUM	4.2		3.5-5.3 mmol/L	
CHLORIDE	105		98-110 mmol/L	
CARBON DIOXIDE	25		20-32 mmol/L	
CALCIUM	9.7		8.6-10.4 mg/dL	
PROTEIN, TOTAL	6.6		6.1-8.1 g/dL	
ALBUMIN	4.3		3.6-5.1 g/dL	
GLOBULIN	2.3		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	1.9		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	0.6		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	69		37-153 U/L	
AST	21		10-35 U/L	
ALT	22		6-29 U/L	
HEMOGLOBIN A1c	4.9		<5.7 % of total Hgb	EN
For the purpose of screening for the presence of				



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diabetes:

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

This assay result is consistent with a decreased risk of diabetes.

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

According to American Diabetes Association (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 (ADA).

TSH W/REFLEX TO FT4	2.15	0.40-4.50 mIU/L	EN
ESTROGEN, TOTAL, SERUM	145.6	pg/mL	EZ

Reference Ranges for Total Estrogen:

Follicular Phase
(1-12 days): 90-590 pg/mL
Luteal Phase: 130-460 pg/mL
Postmenopausal: 50-170 pg/mL

The total estrogen assay is not recommended for use in pre-pubertal children.

CBC (INCLUDES DIFF/PLT)			EN
WHITE BLOOD CELL COUNT	4.1	3.8-10.8 Thousand/uL	
RED BLOOD CELL COUNT	4.77	3.80-5.10 Million/uL	
HEMOGLOBIN	15.5	11.7-15.5 g/dL	
HEMATOCRIT	44.8	35.0-45.0 %	
MCV	93.9	80.0-100.0 fL	
MCH	32.5	27.0-33.0 pg	
MCHC	34.6	32.0-36.0 g/dL	
RDW	12.7	11.0-15.0 %	
PLATELET COUNT	189	140-400 Thousand/uL	
MPV	11.0	7.5-12.5 fL	
ABSOLUTE NEUTROPHILS	2472	1500-7800 cells/uL	
ABSOLUTE LYMPHOCYTES	1054	850-3900 cells/uL	
ABSOLUTE MONOCYTES	332	200-950 cells/uL	
ABSOLUTE EOSINOPHILS	221	15-500 cells/uL	
ABSOLUTE BASOPHILS	21	0-200 cells/uL	
NEUTROPHILS	60.3	%	
LYMPHOCYTES	25.7	%	
MONOCYTES	8.1	%	
EOSINOPHILS	5.4	%	
BASOPHILS	0.5	%	
URINALYSIS, COMPLETE			EN
W/REFLEX TO CULTURE			
COLOR	YELLOW	YELLOW	
APPEARANCE	CLEAR	CLEAR	



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Test Name	In Range	Out Of Range	Reference Range	Lab
SPECIFIC GRAVITY	1.017		1.001-1.035	
PH	6.0		5.0-8.0	
GLUCOSE	NEGATIVE		NEGATIVE	
BILIRUBIN	NEGATIVE		NEGATIVE	
KETONES	NEGATIVE		NEGATIVE	
OCCULT BLOOD	NEGATIVE		NEGATIVE	
PROTEIN	NEGATIVE		NEGATIVE	
NITRITE	NEGATIVE		NEGATIVE	
LEUKOCYTE ESTERASE	NEGATIVE		NEGATIVE	
WBC	NONE SEEN		< OR = 5 /HPF	
RBC	NONE SEEN		< OR = 2 /HPF	
SQUAMOUS EPITHELIAL CELLS	0-5		< OR = 5 /HPF	
BACTERIA	NONE SEEN		NONE SEEN /HPF	
HYALINE CAST	NONE SEEN		NONE SEEN /LPF	

This urine was analyzed for the presence of WBC, RBC, bacteria, casts, and other formed elements. Only those elements seen were reported.

REFLEXIVE URINE CULTURE				EN
	NO CULTURE INDICATED			
IRON AND TOTAL IRON				EN
BINDING CAPACITY				
IRON, TOTAL	138		45-160 mcg/dL	
IRON BINDING CAPACITY	339		250-450 mcg/dL (calc)	
% SATURATION	41		16-45 % (calc)	
FERRITIN	67		16-232 ng/mL	EN
VITAMIN B12	262		200-1100 pg/mL	EN

Please Note: Although the reference range for vitamin B12 is 200-1100 pg/mL, it has been reported that between 5 and 10% of patients with values between 200 and 400 pg/mL may experience neuropsychiatric and hematologic abnormalities due to occult B12 deficiency; less than 1% of patients with values above 400 pg/mL will have symptoms.

FOLATE, SERUM	12.7		ng/mL	EN
			Reference Range	
			Low: <3.4	
			Borderline: 3.4-5.4	
			Normal: >5.4	
PROGESTERONE, LC/MS	<0.1		ng/mL	EZ

Adult Female Reference Ranges for Progesterone:

Pre-Menopausal Mid Follicular: < or = 0.3 ng/mL
Pre-Menopausal Surge: 0.1-1.5 ng/mL
Pre-Menopausal Mid Luteal: 6.7-22.2 ng/mL
Postmenopausal Phase: < or = 0.2 ng/mL

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



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Test Name	In Range	Out Of Range	Reference Range	Lab
FSH	78.0		mIU/mL	EN
	Reference Range			
	Follicular Phase	2.5-10.2		
	Mid-cycle Peak	3.1-17.7		
	Luteal Phase	1.5- 9.1		
	Postmenopausal	23.0-116.3		
LH	47.5		mIU/mL	EN
	Reference Range			
	Follicular Phase	1.9-12.5		
	Mid-Cycle Peak	8.7-76.3		
	Luteal Phase	0.5-16.9		
	Postmenopausal	10.0-54.7		



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Endocrinology

Test Name	Result	Reference Range	Lab
VITAMIN D,25-OH,TOTAL,IA	34	30-100 ng/mL	EN
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). For additional information, please refer to http://education.QuestDiagnostics.com/faq/FAQ199 (This link is being provided for informational/ educational purposes only.) Physician Comments:			

PERFORMING SITE:

EN QUEST DIAGNOSTICS-WEST HILLS, 8401 FALLBROOK AVENUE, WEST HILLS, CA 91304-3226 Laboratory Director: TAB TOOCHINDA,MD, CLIA: 05D0642827
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