

LAB RESULTS

Last Name	Lab ID	Specimen Number	Time Collected	Date Entered	Time Reported
			3/25/2014 6:28 AM		
First Name	Middle Initial	Phone	Control Number	Account Number	Account Phone Number
Date of Birth	Age	Sex	Fasting	Physician Name	Physician ID
	45	M			
Address			Account Address		
LIFE EXTENSION / NATIONAL DIAGNOSTICS, INC 5990 NORTH FEDERAL HIGHWAY, FT. LAUDERDALE, FL 33308					

Tests Ordered

CMP14+LP+4AC+CBC/D/Plt; Testosterone,Free and Total; Thyroxine (T4) Free, Direct, S; DHEA-Sulfate; TSH; Estradiol; Prostate-Specific Ag, Serum; C-Rea

Tests	Result	Flag	Units	Reference Interval	Lab
<u>CMP14+LP+4AC+CBC/D/Plt</u>					
Glucose, Serum	96		mg/dL	70 -99	:X
Uric Acid, Serum	6.1		mg/dL	3.5 -7.2	:X
BUN	17		mg/dL	7 -25	:X
Creatinine, Serum	1.07		mg/dL	0.70 -1.50	:X
eGFR If NonAfricn Am	83		mL/min/1.73	>59	:X
eGFR If Africn Am	96		mL/min/1.73	>59	:X
BUN/Creatinine Ratio	16		ratio	8 -27	:X
Sodium, Serum	138		mEq/L	136 -147	:X
Potassium, Serum	4.4		mEq/L	3.5 -5.3	:X
Chloride, Serum	98		mEq/L	98 -109	:X
Carbon Dioxide, Total	21		mEq/L	20 -29	:X
Calcium, Serum	9.2		mg/dL	8.4 -10.6	:X
Phosphorus, Serum	2.8		mg/dL	2.7 -4.5	:X
Protein, Total, Serum	6.7		g/dL	6.4 -8.3	:X
Albumin, Serum	4.0		g/dL	3.5 -5.0	:X
Globulin, Total	2.7		g/dL	1.5 -4.5	:X
A/G Ratio	1.5			1.1 -2.5	:X
Bilirubin, Total	1.1		mg/dL	0.2 -1.2	:X
Alkaline Phosphatase, S	63		U/L	53 -148	:X
LDH	225		U/L	110 -250	:X

Tests	Result	Flag	Units	Reference Interval	Lab
<u>CMP14+LP+4AC+CBC/D/Pit</u>					
AST (SGOT)	37	High	U/L	5 -34	:X
ALT (SGPT)	66	High	U/L	0 -55	:X
Iron, Serum	138		ug/dL	31 -144	:X
Cholesterol, Total	157		mg/dL	112 -200	:X
Triglycerides	98		mg/dL	0 -150	:X
HDL Cholesterol	39	Low	mg/dL	> 40	:X
VLDL Cholesterol Cal	20		mg/dL	5 -40	:X
LDL Cholesterol Calc	98		mg/dL	< 100	:X
The calculation of LDL-cholesterol and VLDL-Cholesterol are only reliable when the Triglyceride level is less than 400 mg/dL. Likewise, other calculations like LDL/HDL ratio will not be reliable. Therefore, when the triglyceride level is above 400 mg/dL, a reliable LDL concentration will require direct measurement rather than calculation.					
Comment:					
T. Chol/HDL Ratio	4.0		ratio	0.0 -5.0	:X
WBC	5.5		x10-3	4.4 -11.0	:X
RBC	5.02		x10-6	4.10 -5.60	:X
Hemoglobin	16.1		g/dL	14.0 -18.0	:X
Hematocrit	47.8		%	42.0 -52.0	:X
MCV	95.2		fL	80.0 -98.0	:X
MCH	32.1		pg	27.0 -34.0	:X
MCHC	33.7		g/dL	33.0 -37.0	:X
RDW	12.4		%	11.5 -14.5	:X
Platelets	202		x10-3	130 -400	:X
Neutrophils	40.1	Low	%	42.2 -75.2	:X
Lymphs	48.5		%	20.5 -51.1	:X
Monocytes	8.3		%	1.7 -10.0	:X
Eos	2.0		%	0.0 -10.0	:X
Basos	1.1		%	0.0 -2.0	:X
Neutrophils (Absolute)	2.2		x10-3	1.4 -6.5	:X
Lymphs (Absolute)	2.7		x10-3	1.0 -4.8	:X
Monocytes(Absolute)	0.5		x10-3	0.0 -0.8	:X
Eos (Absolute)	0.1		x10-3	0.0 -0.7	:X
Baso (Absolute)	0.1		x10-3	0.0 -0.2	:X
Hematology Comments:					
	MPV		12.0	H fL	7.4 -10.4
<u>Testosterone,Free and Total</u>					
Testosterone, Serum	460		ng/dL	348-1197	MB
Free Testosterone(Direct)	8.0		pg/mL	6.8-21.5	BN
<u>Thyroxine (T4) Free, Direct, S</u>					
T4,Free(Direct)	1.07		ng/dL	0.70 -1.48	:X

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Tests	Result	Flag	Units	Reference Interval	Lab
<u>DHEA-Sulfate</u>					
DHEA-Sulfate	103.5		ug/dL	71.6-375.4	MB
<u>TSH</u>					
TSH	2.131		uIU/mL	0.300 -4.900	:X
<u>Estradiol</u>					
Estradiol	23		pg/mL	20 -77	:X
Estradiol Reference Ranges (MEDIAN)					
Reference limits Adult Male (23) 11 - 44 pg/mL					
Adult Female					
Follicular (54) 21 - 251 pg/mL					
Mid-cycle (196) 38 - 649 pg/mL					
Luteal (99) 21 - 312 pg/mL					
post-menopausal (<10) <10 - 28 pg/mL					
not on HRT					
post-menopausal (28) <10 - 144 pg/mL					
on HRT					
Pediatric References Ranges:					
NO ESTABLISHED REFERENCE RANGES FOR THIS METHODOLOGY					
***Note: The lower functional sensitivity of this Estradiol assay is 13 pg/mL. Therefore, all results below 13 pg/mL should most appropriately be considered simply "less than 13 pg/mL" rather than the absolute result(number) reported.					
<u>Prostate-Specific Ag, Serum</u>					
Prostate Specific Ag, Serum	0.8		ng/mL	0.0 -4.0	:X
Population based community studies show the concentration of PSA typically increases with age as noted below. (JAMA, 289;2695 - 2700, 2003)					
Age (Years) PSA ng/mL					
Mean (95% CI)					
< 50 0.8 (0.7 - 1.0)					
50 - 59 1.5 (1.3 - 1.7)					
60 - 69 2.3 (2.0 - 2.5)					
70 - 79 2.8 (2.4 - 3.2)					
>80 4.0 (0 - 10.2)					
Although most clinical significance has been focused on PSA levels above 4.0 ng/mL, recent studies suggest that lower PSA levels can be associated with prostate cancer but with generally low specificity below 2.0 ng/mL (NEJM 350; 2239 - 2246, 2004).					
PSA Level %w/Prostatic Cancer Sensitivity Specificity					
ng/mL					
<= 0.5 6.6% 1.0 0.0					
0.6 - 1.0 10.1% 0.93 0.02					
1.1 - 2.0 17.0% 0.75 0.33					
2.1 - 3.0 23.9% 0.37 0.73					
3.1 - 4.0 26.9% 0.12 0.92					
<u>C-Reactive Protein, Cardiac</u>					
C-Reactive Protein, Cardiac	0.4		mg/L	0.0 -3.0	:X
High Sensitivity (Cardiac) CRP Interpretive Information:					
Low Risk <1.0 mg/L					
Average Risk 1.0-3.0 mg/L					

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<u>C-Reactive Protein, Cardiac</u>					
C-Reactive Protein, Cardiac	0.4		mg/L	0.0 -3.0	:X
	High Risk	>3.0 mg/L			
<u>Insulin</u>					
Insulin	3.7		uIU/mL	2.6-24.9	MB
<u>Triiodothyronine,Free,Serum</u>					
Triiodothyronine,Free,Serum	2.93		pg/mL	1.71 -3.71	:X
<u>Sex Horm Binding Glob, Serum</u>					
Sex Horm Binding Glob, Serum	30.5		nmol/L	16.5-55.9	MB

Lab	Facility	Director	Phone
:X	LabCorp K 1924 Alcoa Highway, Knoxville, TN,	D, D	877-914-9705
MB	LabCorp B 1801 First Avenue South, Birmingham, AL,	Elgin, Elgin	205-581-3500
BN	LabCorp B 1447 York Court, Burlington, NC,	F, F	800-762-4344

For inquiries, the physician may contact the above locations.

Thank you for ordering your lab tests through Life Extension/National Diagnostics, Inc. If you would like to discuss your results please call us at 1-800-208-3444. In order to ensure your privacy we ask that you have a copy of your results in front of you when making the call, as you will be asked to provide a specimen number or other identifier from the report. Our advisory team WILL NOT be able to review your lab results with you, unless you are able to provide this information from the report. We also understand that there are times when you will want to review a family members blood test results with our staff. Although Life Extension is happy to comply with these requests, permission (either verbally or in writing) must be given by the person who took the blood tests in order for us to do so. Thank you for your cooperation with these policies as we endeavor to keep your blood test results secure.

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