

Specimen Number  
04112925830

Control Number  
62014825686

100%



Specimen # 041-129-2583-0	Lab SE	Time 09:06	Fasting Y	e-Results Patient Inquiry	
Additional Information			Volume		
Patient Name ANNA		Sex F	Age 057/00	Clinical Information:	
Patient Address			DOB 01/26/52	Physician ID	Patient ID 24587
Control # 62014825686	Draw 02/10/09	Entered 02/11/09	Last Report 02/19/09	Account: Sonoran Naturopathic Center 02111760	
				9316 E Raintree Dr Ste 140 SCOTTSDALE, AZ 85260 4806142322	

**Test Ordered**

CBC with Differential/Platelet	Comp. Metabolic Panel (14)
Lipid Panel	CBG with Free Cortisol
Iron and TIBC	Testosterone, Free and Total
Vitamin B12 and Folate	Dehydroepiandrosterone Sulfate
Estradiol	Hemoglobin A1c
IGF-1	Vitamin D, 25-Hydroxy
GGT	Thyroxine (T4)
Venipuncture	Reverse T3
Osmolality, Serum	Insulin
Progesterone	Triiodothyronine, Free, Serum
Ferritin, Serum	

Tests	Results	Units	Reference Interval	Lab
CBC with Differential/Platelet				
WBC	5.6	x10E3/uL	4.0-10.5	01
RBC	4.68	x10E6/uL	3.80-5.10	01
Hemoglobin	14.7	g/dL	11.5-15.0	01
Hematocrit	42.8	%	34.0-44.0	01
MCV	92	fL	80-98	01
MCH	31.4	pg	27.0-34.0	01
MCHC	34.2	g/dL	32.0-36.0	01
RDW	12.3	%	11.7-15.0	01
Platelets	253	x10E3/uL	140-415	01
Neutrophils	61	%	40-74	01
Lymphs	24	%	14-46	01
Monocytes	10	%	4-13	01
Eos	4	%	0-7	01
Basos	1	%	0-3	01
Neutrophils (Absolute)	3.4	x10E3/uL	1.8-7.8	01
Lymphs (Absolute)	1.3	x10E3/uL	0.7-4.5	01
Monocytes (Absolute)	0.6	x10E3/uL	0.1-1.0	01
Eos (Absolute)	0.2	x10E3/uL	0.0-0.4	01
Baso (Absolute)	0.1	x10E3/uL	0.0-0.2	01
Comp. Metabolic Panel (14)				
Glucose, Serum	104 <b>490 H</b>	mg/dL	65-99	01
BUN	15	mg/dL	5-26	01

Creatinine, Serum	0.84	mg/dL	0.57-1.00	01
Glom Filtr Rate, Est	>59	mL/min/1.73	>59	
If African-American	>59	mL/min/1.73	>59	

Note: Persistent reduction for 3 months or more in an eGFR <60 mL/min/1.73 m<sup>2</sup> defines CKD. Patients with eGFR values  $\geq$ 60 mL/min/1.73 m<sup>2</sup> may also have CKD if evidence of persistent proteinuria is present. Additional information may be found at [www.kdoqi.org](http://www.kdoqi.org).

BUN/Creatinine Ratio	18		8-27	
Sodium, Serum	142	mmol/L	135-145	01
Potassium, Serum	4.2	mmol/L	3.5-5.2	01
Chloride, Serum	105	mmol/L	97-108	01
Carbon Dioxide, Total	23	mmol/L	20-32	01
Calcium, Serum	9.9	mg/dL	8.5-10.6	01
Protein, Total, Serum	7.4	g/dL	6.0-8.5	01
Albumin, Serum	4.5	g/dL	3.5-5.5	01
Globulin, Total	2.9	g/dL	1.5-4.5	
A/G Ratio	1.6		1.1-2.5	
Bilirubin, Total	0.7	mg/dL	0.1-1.2	01
Alkaline Phosphatase, S	106	IU/L	25-150	01
AST (SGOT)	27	IU/L	0-40	01
ALT (SGPT)	35	IU/L	0-40	01

#### Lipid Panel

Cholesterol, Total	249	H mg/dL	100-199	01
Triglycerides	137	mg/dL	0-149	01
HDL cholesterol	57	mg/dL	>39	01

#### Comment

According to ATP-III Guidelines, HDL-C >59 mg/dL is considered a negative risk factor for CHD.

VLDL Cholesterol Calc	27	mg/dL	5-40	
LDL Cholesterol Calc	165	H mg/dL	0-99	01

#### Comment

If initial LDL-cholesterol result is >100 mg/dL, assess for risk factors.

#### CBG with Free Cortisol

Cort.Bind.Glob.(CBG)	3.5	mg/dL		02
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#### Reference Range:

Older children and Adults: 2.3 - 3.9

Estrogen Therapy and Pregnancy: >6.0

\*ASR - Analyte Specific Reagent

This test was developed and its performance characteristics determined by Esoterix. It has not been cleared or approved by the U. S. Food and Drug Administration. The FDA has determined that such clearance is not necessary. This test is used for clinical purposes. It should not be regarded as investigational or for research. This laboratory is regulated under the Clinical Laboratory Improvement Amendment (CLIA) of 1988 as qualified to perform high complexity clinical testing.

Cortisol, Serum or Plasma	14	ug/dL		02
Reference Range:				
Adults				
8:00 AM	8.0 - 19			
4:00 PM	4.0 - 11			
Free Cortisol, Serum	0.46	1.5+ ug/dL		02
Reference Range:				
Adults 8:00 AM:	0.2 - 1.8			
Percent Free Cortisol, Serum	3.3	%		02
Reference Range:				
Adults 8:00 am:	2.3 - 9.5			
Iron and TIBC				
Iron Bind.Cap. (TIBC)	316	ug/dL	250-450	
UIBC	158	ug/dL	150-375	01
▶ Iron, Serum	158	Free H ug/dL	35-155	01 ◀
Iron Saturation	50	%	15-55	
Testosterone, Free and Total				
Testosterone, Serum	29	ng/dL	14-76	01
Free Testosterone (Direct)	1.2	Good pg/mL	0.0-2.2	03
Vitamin B12 and Folate				
▶ Vitamin B12	1094	H pg/mL	211-911	01 ◀
Folate (Folic Acid), Serum	>20.0	ng/mL	>5.4	01
		Indeterminate:	3.4 - 5.4	
		Deficient:	<3.4	
Dehydroepiandrosterone Sulfate				
▶ DHEA-Sulfate	330	H ug/dL	26-200	03 ◀
Estradiol				
Estradiol	<15	40-50 pg/mL	0-31	01
	Adult Male:	was 20	<54	
	Menstruating Female			
	(Day of cycle relative to LH Peak)			
	Follicular (-12)		19 - 83	
	(- 4)		64 - 183	
	Midcycle (- 1)		150 - 528	
	Luteal (+ 2)		58 - 157	
	(+ 6)		60 - 211	
	(+12)		55 - 150	
	Postmenopausal Female (Untreated)		0 - 31	
		Bayer Centaur/ACS Methodology		
Hemoglobin A1c				
Hemoglobin A1c	5.6	5.0 %	<7.0	01
		Diabetic Adult	<7.0	
		Healthy Adult	4.8 - 5.9	
		(DCCT/NGSP)		
		American Diabetes Association's Summary of Glycemic Recommendations for Adults with Diabetes:		
		Hemoglobin A1c <7.0%. More stringent glycemic goals (A1c <6.0%) may further reduce complications at the		

cost of increased risk of hypoglycemia.

IGF-1				
Insulin-Like Growth Factor I	125	<i>700<sup>to</sup></i> ng/mL	81-225	03
Vitamin D, 25-Hydroxy				
Vitamin D, 25-Hydroxy	44.1	<i>70<sup>to</sup></i> ng/mL	32.0-100.0	01
Recent studies consider the lower limit of 32.0 ng/mL to be a threshold for optimal health.				
Hollis BW. J Nutr. 2005 Feb;135(2):317-22.				
GGT	25	IU/L	0-60	01
Thyroxine (T4)	6.6	ug/dL	4.5-12.0	01
Osmolality, Serum	291	mOsm/kH <sub>2</sub> O	275-295	04
Reverse T3	208	pg/mL	90-350	03
Progesterone	13.1	ng/mL		01
		<i>free</i>		
		Female:		
		Follicular	0.2 - 1.4	
		Luteal	3.3 - 25.6	
		Mid-luteal	4.4 - 28.0	
		Postmenopausal	0.0 - 0.7	
		Pregnancy:		
		1st Trimester	11.2 - 90.0	
		2nd Trimester	25.5 - 89.4	
		3rd Trimester	48.4 - 422.5	
Insulin	7.0	uIU/mL	0.0-29.1	01
Ferritin, Serum	88	ng/mL	10-291	01
▶ Triiodothyronine, Free, Serum	5.3	H pg/mL	2.3-4.2	01

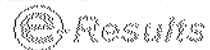
\*\*\* END OF REPORT \*\*\*

01	SE	LabCorp Seattle	Dir: Kristin Mantei, MD
		550 17th Avenue Ste 300, Seattle, WA 98122	Contact by: 206-861-7000
02	ES	Esoterix Endocrinology	Dir: Samuel Pepkowitz, MD
		4301 Lost Hills Road, Calabasas Hills, CA 91301	Contact by: 800-444-9111
03	BN	LabCorp Burlington	Dir: William F Hancock, MD
		1447 York Court, Burlington, NC 27215	Contact by: 800-762-4344
04	OS	Dynacare A LabCorp Co NW	Dir: David Corwin, MD
		550 17th Avenue Ste 310, Seattle, WA 98122	Contact by: 206-861-7000

For Inquiry Purpose Only.

These results are considered preliminary and are not the final lab report.

A final report will be provided via your current reporting mechanism.



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