



**Preliminary Report Date:** 05-13-2016 13:32

**Specimen Collected:** 05-09-2016

**Accession ID:** 1605100130

**Specimen Received:** 05-10-2016 11:34

Last Name	First Name	Middle Name	Date of Birth	Gender	Physician ID
HATFIELD	JOSH		1977-07-29	Male	2216

<b>P A T I E N T</b>	Name: JOSH HATFIELD Date of Birth: 1977-07-29 Gender: Male Age: 38	<b>P R O V I D E R</b>	Practice Name: Justin Family Practice INT5 <b>Provider Name: Monty Morris, PAC (2216)</b> Street Address: 310 W. 2ND STREET City: JUSTIN State: TX Zip #: 76247 Telephone #: 940-648-9900 Fax #: 940-648-1600
	Medical Record Number: Telephone #: 469-446-8710 Street Address: 1699 EAST FM 550 City: ROCKWALL State: TX Zip #: 75032		
	Email:		
	Fasting: FASTING No. of hours: 8.0		

The comments in this report are meant only for clinical guidance  
Please consult your physician for medication, treatment or life style management

<b>Nutrition</b>	Test name	In Control	Moderate	High Risk	In Control Range	Moderate Range	High Risk Range	Previous
	Vitamin D (ng/mL)	33				>=30		<=29

Tests flagged with \* were developed by and performance characteristics were determined by Vibrant America. Indicated tests are not FDA-cleared or approved. The laboratory is regulated under CLIA as qualified to perform high-complexity testing. This test is used for clinical purposes. It should not be regarded as investigational or for research. Tests flagged with 1 were performed at Vibrant Genomics. Tests flagged with 2 were performed at Vibrant Wellness. Results of the following tests obtained with different manufacturers' assay methods may not be used interchangeably. The magnitude of the reported levels cannot be correlated to an endpoint titer: all Celiac section tests, Connective Tissue Disease section tests, and the ENA Profile-6. Laboratory Director: Meryn Sahud, MD CLIA: 05D2078809 CLF: 00346278  
Vibrant America Clinical Laboratory, 1021 Howard Avenue, Suite B, San Carlos, CA 94070. Phone: +1(866)364-0963; FAX: +1(650)508-8260; Email: support@vibrant-america.com

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Lipids	Test name	In Control	Moderate	High Risk	In Control Range	Moderate Range	High Risk Range	Previous
	Cholesterol, Total (mg/dL)	149			<=199	200~240	>=241	196 03/01/2016
	LDL Direct (mg/dL)		111		<=99	100~129	>=130	129 03/01/2016
	HDL Direct (mg/dL)			31	>=56	35~55	<=34	43 03/01/2016
	Triglyceride (mg/dL)	59			<=149	150~200	>=201	273 03/01/2016

**Comments**

Follow NCEP: ATPIII guidelines. Dietary strategies to consider include adequate intake of monounsaturated fats and omega-3 fatty acids, moderate alcohol intake, reduction of total carbohydrate to less than 50% of calories, emphasis on low glycemic-load foods and reduction of fructose, weight loss and regular exercise.

JEM



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### Comprehensive Metabolic Panel

Liver	Current	Reference Range	Previous
Albumin (g/dL)	4.8	3.5~5.2	5.2 (03/01/2016)

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Thyroid	Current	Reference Range	Previous
Free T3 (pg/mL)	3.0	2.0~4.4	3.3 (03/01/2016)
Free T4 (ng/dL)	1.0	0.9~1.7	1.1 (03/01/2016)
T4 - Thyroxine (µg/dL)	5.2	4.5~9.8	6.6 (03/01/2016)
T3 - Triiodothyronine (ng/mL)	0.9	0.8~2.0	1.2 (03/01/2016)
TSH (µIU/mL)	1.230	0.111~4.910	2.710 (03/01/2016)
Anti-TPO (IU/mL)	7	<=34	8 (03/01/2016)
Reverse T3			

Hormones	Current	Reference Range	Previous
Estradiol (pg/mL)	37.0	25.8~60.7	14.5 L (03/01/2016)
DHEA-S (µg/dL)	147.3	88.9~427.0	143.0 (03/01/2016)
SHBG (nmol/L)	25.8	16.5~55.9	19.6 (03/01/2016)
Testosterone, Total (ng/dL)	1312.0	348.0~1379.0	162.0 L (03/01/2016)
Free Testosterone (ng/dL)	34.76 H	9.00~30.00	3.55 L (03/01/2016)
FSH (mIU/mL)	0.3 L	1.5~12.4	6.0 (03/01/2016)
LH (mIU/mL)	<0.1 L	1.7~8.6	6.7 (03/01/2016)

**Labnotes**

SHBG :- SHBG reference ranges are based on adult populations >18 years of age.  
 Testosterone, Total :- The range for this test was determined as the optimal range by Vibrant Wellness. Optimal Ranges\* are those that reflect low to zero risk for disease and denote optimal wellness and healthy aging.

Tumor Markers	Current	Reference Range	Previous
PSA (Total) (ng/mL)	0.63	<=4.00	0.44 (03/01/2016)
Free PSA (ng/mL)	0.16		0.10 (03/01/2016)
Free PSA% (%)	25.4 L	>=30.0	22.7 L (03/01/2016)

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