

LABORATORY REPORT



IMPERIUM HEALTH RESOURCES, LLC
 3101 CHURCHILL DR #115A
 FLOWER MOUND Texas 75022
 817 555-9735

DR. David V. Kon, M. D. Medical Director

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PATIENT NAME		AGE	SEX	ACCOUNT NO	REFERRING PHYSICIAN	SPEC ACCESSION
DOE, JOHN		45	M			5046504
PATIENT I.D.	TIME COLLECTED	DATE COLLECTED	DATE RECEIVED	DATE REPORTED	REPORT STATUS	
12345678910	10:59	05/10/2016	04/30/2016	05/04/2016	FINAL	
DOB:	01/15/1970	TEL: 369-555-5555				

TEST	RESULT	OUT OF RANGE	UNITS	REFERENCE RANGE
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COMMENTS

See Note

CHEMISTRY

TOTAL PROTEIN	7.4		g/dL	6.0-8.3
ALBUMIN	4.5		g/dL	3.5-5.5
GLOBULIN (Calc.)	2.9		g/dL	2.0-4.0
A/G RATIO (Calc)	1.6		Ratio	1.1-2.5
AST (SGOT)	19		IU/L	1-40
ALT (SGPT)	20		IU/L	5-45
ALK.PHOSPHATASE	68		IU/L	30-125
BILIRUBIN, TOTAL	0.7		mg/dL	0.1-1.4
BILIRUBIN, DIR.	0.2		mg/dL	0.0-0.3
BILIRUBIN, INDIR	0.5		mg/dL	0.2-1.1
GGTP	17		IU/L	2-60
GLUCOSE	90		mg/dL	65-99
URIC ACID	5.9		mg/dL	2.0-7.2
CALCIUM	9.6		mg/dL	8.3-10.5
CHLORIDE	102		mEq/L	96-110
CO2	28		mEq/L	15-35
SODIUM	139		mEq/L	135-155
POTASSIUM	3.8		mEq/L	3.5-5.5
ANION GAP(Calc.)	9			0-25
BUN	13		mg/dL	6-25
CREATININE	1.0		mg/dL	0.5-1.3

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PATIENT NAME		AGE	SEX	ACCOUNT NO	REFERRING PHYSICIAN	SPEC ACCESSION
DOE, JOHN		45	M		Dr.Olney M Robyn	5054006
PATIENT I.D.	TIME COLLECTED	DATE COLLECTED	DATE RECEIVED	DATE REPORTED	REPORT STATUS	
12346579810	10:59	04/29/2016	04/30/2016	05/04/2016	FINAL	
DOB:	05/27/1970	TEL: 369-555-5555				

TEST	RESULT	OUT OF RANGE	UNITS	REFERENCE RANGE
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BUN/CREAT.(Calc)	13		Ratio	7-30
Male GFR Calc	86			>60

Units for e.GFR: mL/min/1.73 m² If patient is African-American, multiply reported result by 1.21.
 NOTE: The estimated GFR values above 60 mL/min/1.73 m² should be interpreted as "above 60 mL/min/1.73 m²," not an exact number.

UIBC	370			
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CARDIAC RISK STUDIES

CHOLESTEROL		237 H	mg/dL	135-200
HDL CHOLESTEROL	92		mg/dL	>40
CHOL/HDL RISK RT	2.6			

Reference Ranges for Chol/HDL Risk Ratio: Male: 4.0-6.0
 Female: 3.7-5.7

LDL (Calc.)		134 H	mg/dL	<100
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Values for "Calculated LDL" are invalid for Triglycerides over 400 mg/dL

VLDL (Calc.)	11		mg/dL	0-40
TRIGLYCERIDES	53		mg/dL	<150
CRP, HIGH SENS.	0.10		mg/L	<1.0

Interpretation guidelines for Highly Sensitive CRP: <1.0 mg/LLow risk of cardiovascular disease
 1.0-3.0 mg/LAverage risk of cardiovascular disease
 >3.0 mg/LHigh risk of cardiovascular disease

HOMOCYSTEINE	14.0		umol/L	5.0-15.0
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Homocysteine is intended to be used as an independent risk factor for cardiovascular disease and is not for diagnosis of Folate or Vitamin B12 deficiency. Homocysteine values will normally increase with age with accepted expected reference values among elderly (>60 years) of 5- 20 umol/L. Values are typically lower for women than for men; however, postmenopausal women may show increased values for

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total Homocysteine. Maintenance of Homocysteine levels below 10 umol/L is recommended. (Serum Homocysteine concentrations have been observed to be up to 10% higher than EDTA plasma).

THYROID STUDIES

TOTAL T4	8.9		ug/dL	4.5-12.5
T3 UPTAKE	34.1		%	22.0-35.0
T7 (FTI) (Calc.)	3.0		Index	1.0-4.4
TSH (3rd gener.)	1.207		uIU/mL	0.340-5.600

According to American Association of Clinical Endocrinologists, the normal TSH level may have a narrower range of 0.340 - 2.500 mIU/mL.

TOTAL T3	92		ng/dL	72-170
FREE T4	1.4		ng/dL	0.8-1.9
FREE T3	3.41		pg/mL	2.3-4.2

ANEMIA PROFILE

IRON	85		ug/dL	40-200
TIBC (Calc.)		455 H	ug/dL	200-400
IRON SATURATION	19		%	15-50
FERRITIN		24 L	ng/mL	28-365
VITAMIN B-12	306		pg/mL	193-982

If sample is to be analyzed for both vitamin B12 and folic acid, patient must be in a fasting state.

FOLIC ACID,SERUM	15.8		ng/mL	3.0-17.0
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Patient must be in a fasting state.

SPECIAL CHEMISTRY

CORTISOL	7.8		ug/dL	
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***CORTISOL REFERENCE RANGES: ADULTS: A.M.8.7 - 22.4 ug/dL

P.M.0.0 - 10.0 ug/dL PEDIATRIC:

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MALE FEMALE 2-12 MONTHS 2.0 - 18.0 2.0 - 18.1
 2-13 YEARS 2.1 - 18.1 2.0 - 18.1 14-15 YEARS 2.1 - 18.1 2.0 - 27.4
 16-18 YEARS 2.0 - 22.5 2.0 - 27.4

IgE, TOTAL		189 H	IU/mL	0.0-87.0
C-PEPTIDE	1.8		ng/mL	0.9-7.1

Patient should be in a fasting state.

INSULIN		5.5 L	uIU/mL	6.0-27.0
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The above reference range is for a fasting individual. Circulating anti- insulin antibodies are often found in patients who have been treated with nonhuman forms of insulin. If present, these antibodies may interfere with the assay. For individuals who are significantly overweight, fasting insulin levels are typically somewhat higher than for adults of normal weight.

VITAMINS

VIT D(25-OH)TOTL		16.9 L	ng/mL	>30-100
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Vitamin D status 25 OH Vitamin D Levels Deficiency <10 ng/mL
 Insufficiency 10-30 ng/mL Sufficiency >30 ng/mL Toxicity
 >100 ng/mL To convert results to nmol/L multiply the above result by 2.5.

HORMONAL STUDIES

FSH	4.9		mIU/mL	
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**FSH REFERENCE RANGES: ** ADULT MALES.....1.4-18.1 mIU/mL ADULT FEMALES:
 FOLLICULAR.PHASE.....2.5-10.2 mIU/mL MIDCYCLE.....3.4-33.4
 mIU/mL LUTEAL PHASE.....1.5- 9.1 mIU/mL
 PREGNANT.....<0.3 mIU/mL POST
 MENOPAUSAL.....23.0-116.3mIU/mL

LH	3.7		mIU/mL	
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LH REFERENCE RANGES: ADULT MALES.....1.5-9.3 mIU/mL FEMALES: FOLLICULAR
 PHASE..... 1.9-12.5 mIU/mL MIDCYCLE PEAK.....8.7-76.3 mIU/mL LUTEAL

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PHASE..... 0.5-16.9 mIU/mL PREGNANT.....<0.1-1.5 mIU/mL
 POSTMENOPAUSAL..... 15.9-54.0 mIU/mL CONTRACEPTIVES..... 0.7-5.6 mIU/mL

ESTRADIOL	39.6		pg/mL	
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ESTRADIOL REFERENCE RANGES: FEMALES: NORMAL MENSTRUATING FOLLICULAR

PHASE.....19.5-144.2 pg/mL MID CYCLE:.....63.9-356.7 pg/mL

LUTEAL PHASE.....55.8-214.2 pg/mL POST MENOPAUSAL (UNTREATED)..<32.2

pg/mL MALES:.....<39.8 pg/mL

TESTOSTRON.TOTAL	332		ng/dL	240-950
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DHEA-SULFATE	203		ug/dL	80-560
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ANIMAL EPIDERMALS \T\ PROTEINS

CAT DANDER	<0.10			<0.35
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DOG DANDER	<0.10			<0.35
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Specific IgE class kU/L Level of Allergen

Specific IgE Antibody ----- 0

<0.35 Absent/Undetectable 1 0.35-0.69 Low Level 2

0.70-3.49 Moderate Level 3 3.50-17.49 High Level 4

17.5-49 Very High Level 5 50-99 Very High

Level 6 >100 Very High Level

FOOD ALLERGENS

ALMOND	0.30			<0.35
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BARLEY	<0.10			<0.35
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BEEF	<0.10			<0.35
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CLAM	<0.10			<0.35
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CHEDDAR CHEESE	<0.10			<0.35
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CHICKEN MEAT	<0.10			<0.35
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TEST	RESULT	OUT OF RANGE	UNITS	REFERENCE RANGE
CODFISH	<0.10			<0.35
CORN/MAIZE	0.10			<0.35
COW'S MILK	<0.10			<0.35
CRAB	<0.10			<0.35
EGG WHITE	0.11			<0.35
EGG YOLK	<0.10			<0.35
HAZELNUT	<0.10			<0.35
BRAZIL NUT	0.15			<0.35
LOBSTER	<0.10			<0.35
MELONS	<0.10			<0.35
OAT	<0.10			<0.35
PEACH	<0.10			<0.35
PEANUT	<0.10			<0.35
PEAR	<0.10			<0.35
PECAN NUT	<0.10			<0.35
PORK	<0.10			<0.35
RICE	<0.10			<0.35
RYE, FOOD	0.11			<0.35
SALMON	<0.10			<0.35
SESAME SEED	<0.10			<0.35
SHRIMP	<0.10			<0.35
SOYBEAN	<0.10			<0.35
TROUT	<0.10			<0.35
TURKEY MEAT	<0.10			<0.35
WALNUT	<0.10			<0.35

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DOE, JOHN		45	M		Dr. Olney M Robyn	50540004
PATIENT I.D.	TIME COLLECTED	DATE COLLECTED	DATE RECEIVED	DATE REPORTED	REPORT STATUS	
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WHEAT	<0.10			<0.35
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Specific IgE Class kU/L Level of Allergen
 Specific IgE Antibody ----- 0
 <0.35 Absent/Undetectable 1 0.35-0.69 Low Level 2
 0.70-3.49 Moderate Level 3 3.50-17.49 High Level 4
 17.5-49 Very High Level 5 50-99 Very High
 Level 6 >100 Very High Level

GRASS ALLERGENS

BERMUDA GRASS	<0.10			<0.35
BROME GRASS	0.17			<0.35
JOHNSON GRASS	0.10			<0.35
OAT POLLEN	0.10			<0.35
TIMOTHY GRASS	0.20			<0.35

Specific IgE class kU/L Level of Allergen
 Specific IgE Antibody ----- 0
 <0.35 Absent/Undetectable 1 0.35-0.69 Low Level 2
 0.70-3.49 Moderate Level 3 3.50-17.49 High Level 4
 17.5-49 Very High Level 5 50-99 Very High
 Level 6 >100 Very High Level

INSECT ALLERGENS

COCKROACH	<0.10			<0.35
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Specific IgE class kU/L Level of Allergen
 Specific IgE Antibody ----- 0
 <0.35 Absent/Undetectable 1 0.35-0.69 Low Level 2
 0.70-3.49 Moderate Level 3 3.50-17.49 High Level 4

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DOE, JOHN	45	M		Dr. Olney M Robyn	5054004
PATIENT I.D.	TIME COLLECTED	DATE COLLECTED	DATE RECEIVED	DATE REPORTED	REPORT STATUS
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17.5-49 Very High Level 5 50-99 Very High
 Level 6 >100 Very High Level

MITE ALLERGENS

D.FARINAE DUST	<0.10			<0.35
D.PTERONYSSINUS	<0.10			<0.35

Specific IgE class kU/L Level of Allergen
 Specific IgE Antibody ----- 0
 <0.35 Absent/Undetectable 1 0.35-0.69 Low Level 2
 0.70-3.49 Moderate Level 3 3.50-17.49 High Level 4
 17.5-49 Very High Level 5 50-99 Very High
 Level 6 >100 Very High Level

MOLD AND YEAST ALLERGENS

A. FUMIGATUS	<0.10			<0.35
ALTERNARIA	<0.10			<0.35
C. HERBARUM	<0.10			<0.35

TREE ALLERGENS

BOX ELDER	0.15			<0.35
COTTONWOOD	<0.10			<0.35
ELM	0.22			<0.35
JAPANESE CEDAR	<0.10			<0.35
MULBERRY	0.12			<0.35
OAK		0.87 H		<0.35
OLIVE TREE	0.26			<0.35
WALNUT TREE		0.83 H		<0.35
MPL.LEAF SYCAMOR	<0.10			<0.35

