

Bio-Center Laboratory

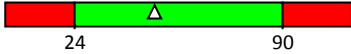
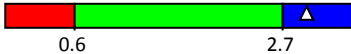
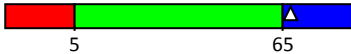




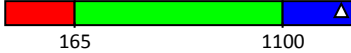


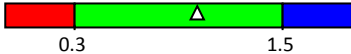
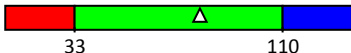
3100 N. Hillside, Wichita, KS 67219
(316) 684-7784; Fax (316) 682-2062

CLIA #: 17D0648333

Lab Director: Charles Hinshaw, M.D.

Medicare # 008052

Red=Needs Improvement **Green**= Within Acceptable Range (+ 2 Standard Deviations) **Blue**= Beyond the Expected Range *Below Detectable Limit

<u>Test Name</u>	<u>Result</u>	<u>Units</u>	<u>Reference Range</u>	<u>Previous Result</u> <u>11/13/2017</u>
VITAMINS / NUTRIENTS				
Vitamin A	50	ug/dL	 24 90	50
Vitamin E	3.0 H	mg/dL	 0.6 2.7	1.2
Beta Carotene	66 H	ug/dL	 5 65	66 H
Lutein	12	ug/dL	 7 28	2 L
Lycopene	21	ug/dL	 13 54	22
Vitamin C, Plasma	0.8	mg/dL	 0.6 2.0	1.5
Vitamin C, Urine	50	mg/dL	 20 50	50
Vitamin B12	1300 H	pg/mL	 165 1100	777
Optimal levels are achieved when test results lie between 1000-2000 pg/mL.				
Vitamin D (25-OH-D)	38 L	ng/mL	 40 80	44
Folic Acid (Folate)	18.0 H	ng/mL	 7.2 17.2	12.2
Coenzyme Q10	1.0	ug/mL	 0.3 1.5	0.4
B ASSESSMENT PROFILE				
Vitamin B1	80	ug/L	 33 110	76

Name: Doe, John

Acct. Number: 0001

Sample #: 20865

DOB: 12/14/1976 Age: 42 Y

Sex: M

Check Your Health

Collect Date: 02/22/2019 12:39 PM

Fasting: Y

Print Date: 03/01/2019

Bio-Center Laboratory


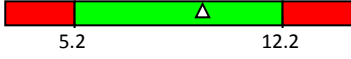
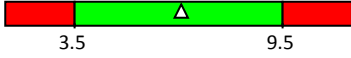


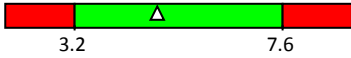


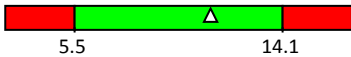


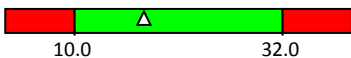
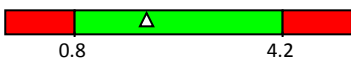
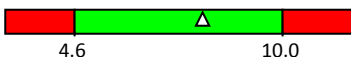
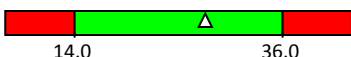
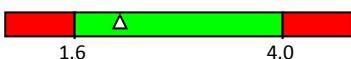
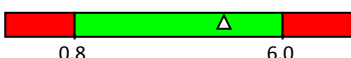
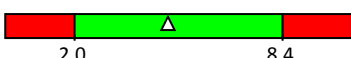
3100 N. Hillside, Wichita, KS 67219
(316) 684-7784; Fax (316) 682-2062

CLIA #: 17D0648333

Lab Director: Charles Hinshaw, M.D.

Medicare # 008052

Red=Needs Improvement **Green**= Within Acceptable Range (+ 2 Standard Deviations) **Blue**= Beyond the Expected Range *Below Detectable Limit

<u>Test Name</u>	<u>Result</u>	<u>Units</u>	<u>Reference Range</u>	<u>Previous Result</u> <u>11/13/2017</u>
Hydroxyproline	2.0	umol/dL	 0.3 2.3	
Serine	9.5	umol/dL	 5.2 12.2	
Asparagine	6.7	umol/dL	 3.5 9.5	
Glycine	22.3	umol/dL	 15.0 39.0	
Glutamine	44	umol/dL	 40 90	44
Taurine	5.0	umol/dL	 3.2 7.6	5.0
HISTIDINE	7.3	umol/dL	 3.8 9.0	7.3
Citrulline	4.1	umol/dL	 1.4 5.0	
THREONINE	11.2	umol/dL	 5.5 14.1	11.2
Alanine	31	umol/dL	 25 60	
ARGININE	5.9	umol/dL	 1.5 6.0	6.1 H
Proline	17.5	umol/dL	 10.0 32.0	
a-Amino-N-butyric Acid	2.0	umol/dL	 0.8 4.2	
Tyrosine	7.9	umol/dL	 4.6 10.0	
VALINE	27.9	umol/dL	 14.0 36.0	27.9
METHIONINE	2.1	umol/dL	 1.6 4.0	2.1
Cystine	4.5	umol/dL	 0.8 6.0	
ISOLEUCINE	4.9	umol/dL	 2.0 8.4	4.9

Name: Doe, John

Acct. Number: 0001

Sample #: 20865

DOB: 12/14/1976 **Age:** 42 Y

Sex: M

Check Your Health

Collect Date: 02/22/2019 12:39 PM

Fasting: Y

Print Date: 03/01/2019

Bio-Center Laboratory

3100 N. Hillside, Wichita, KS 67219
(316) 684-7784; Fax (316) 682-2062

CLIA #: 17D0648333

Lab Director: Charles Hinshaw, M.D.

Medicare # 008052

Red=Needs Improvement **Green**= Within Acceptable Range (+ 2 Standard Deviations) **Blue**= Beyond the Expected Range *Below Detectable Limit

<u>Test Name</u>	<u>Result</u>	<u>Units</u>	<u>Reference Range</u>	<u>Previous Result</u> <u>11/13/2017</u>
LEUCINE	13.4	umol/dL	 10.0 24.0	13.4
TRYPTOPHAN	0.5	umol/dL	 0.2 1.2	0.5
PHENYLALANINE	5.9	umol/dL	 3.5 8.4	5.9
Ornithine	6.9	umol/dL	 2.6 9.2	
LYSINE	16.8	umol/dL	 10.0 32.0	16.8

LIFE CARE PANEL

Free T3	2.10	pg/mL	 1.71 3.71	6.00 H
Reverse-T3	13.0	ng/dL	 9.2 24.1	L
FT3/RT3	16.15	Ratio		
Free T4	0.81	ng/dL	 0.71 1.85	
TSH	2.1	uIU/mL	 0.4 2.8	
DHEA-S	300	ug/dL	 59 452	222
Progesterone	30.0	ng/mL		

Adult Male: 0.1 - 0.2

Adult Female:

Follicular Phase: 0.1 - 0.3

Luteal Phase: 1.2 - 15.9

Pregnant

First Trimester: 2.8 - 147.3

Second Trimester: 22.5 - 95.3

Third Trimester: 27.9 - 242.5

Name: Doe, John

Acct. Number: 0001

Sample #: 20865

DOB: 12/14/1976 **Age:** 42 Y

Sex: M

Check Your Health

Collect Date: 02/22/2019 12:39 PM

Fasting: Y

Print Date: 03/01/2019

Bio-Center Laboratory

3100 N. Hillside, Wichita, KS 67219
(316) 684-7784; Fax (316) 682-2062

CLIA #: 17D0648333

Lab Director: Charles Hinshaw, M.D.

Medicare # 008052

Red=Needs Improvement **Green**= Within Acceptable Range (+ 2 Standard Deviations) **Blue**= Beyond the Expected Range *Below Detectable Limit

<u>Test Name</u>	<u>Result</u>	<u>Units</u>	<u>Reference Range</u>	<u>Previous Result</u> <u>11/13/2017</u>
------------------	---------------	--------------	------------------------	---

Postmenopausal: 0.1 - 0.2			
Estradiol	10	pg/mL	

Menstruating Female:
 Follicular Phase: 39 - 189
 Mid-cycle Peak: 94 - 508
 Luteal Phase: 48 - 309
 Postmenopausal: < 41
 Males: < 77

Total Testosterone	1505	H	ng/dL	225-972
--------------------	-------------	---	-------	---------

The normal range attached to your result if you are a male, is for ages 18-70 years and if you are a female, it is for 18-62 years of age.

FATTY ACIDS, OMEGA 6-RBC

Linoleic	160		uM/L		235	H
Gamma Linolenic	0.9		uM/L		1.3	
Dihomogammalinolenic	16.0		uM/L		20.0	
Arachidonic	160		uM/L		150	
Total Omega-6	336.9		uM/L		406.3	

FATTY ACIDS, OMEGA 3-RBC

Alpha Linolenic	2.5		uM/L		1.3	
Eicosapentaenoic (EPA)	19.0	H	uM/L		6.0	
Docosahexaenoic (DHA)	102	H	uM/L		50	

Name: Doe, John

Acct. Number: 0001

Sample #: 20865

DOB: 12/14/1976 **Age:** 42 Y

Sex: M

Check Your Health

Collect Date: 02/22/2019 12:39 PM

Fasting: Y

Print Date: 03/01/2019

Bio-Center Laboratory




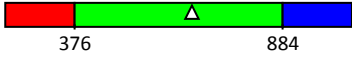

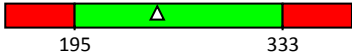
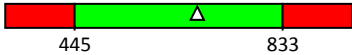
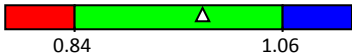

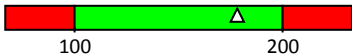
3100 N. Hillside, Wichita, KS 67219
(316) 684-7784; Fax (316) 682-2062

CLIA #: 17D0648333

Lab Director: Charles Hinshaw, M.D.

Medicare # 008052

Red=Needs Improvement **Green**= Within Acceptable Range (+ 2 Standard Deviations) **Blue**= Beyond the Expected Range *Below Detectable Limit

<u>Test Name</u>	<u>Result</u>	<u>Units</u>	<u>Reference Range</u>	<u>Previous Result</u> <u>11/13/2017</u>
Total Omega-3	123.5	H uM/L		57.3
Arachidonic/EPA	8.4	Ratio		25.0 H
FATTY ACID- MONOUNSAT-RBC				
Oleic	202	uM/L		110 L
FATTY ACID, UNSAT-RBC				
Total Unsaturated	662	uM/L		574
FATTY ACID SATURATED-RBC				
Palmitic	425	uM/L		400
Stearic	250	uM/L		220
Total Saturated	675	uM/L		620
Unsat/Saturated Ratio	0.98			0.93
TRANS FATTY ACID-RBC				
Elaitic (C-18)	9.0	H uM/L		5.0
LIPID PANEL				
Cholesterol	178	mg/dL		211 H

Name: Doe, John

Acct. Number: 0001

Sample #: 20865

DOB: 12/14/1976 Age: 42 Y

Sex: M

Check Your Health

Collect Date: 02/22/2019 12:39 PM

Fasting: Y

Print Date: 03/01/2019

Bio-Center Laboratory

3100 N. Hillside, Wichita, KS 67219
(316) 684-7784; Fax (316) 682-2062

CLIA #: 17D0648333

Lab Director: Charles Hinshaw, M.D.

Medicare # 008052

Red=Needs Improvement **Green**= Within Acceptable Range (+ 2 Standard Deviations) **Blue**= Beyond the Expected Range *Below Detectable Limit

<u>Test Name</u>	<u>Result</u>	<u>Units</u>	<u>Reference Range</u>	<u>Previous Result</u> <u>11/13/2017</u>															
Optimal levels are achieved when results lie between 160 and 200 mg/dL																			
Triglycerides	55	mg/dL		55															
HDL Cholesterol	50	mg/dL		50															
VLDL	11	mg/dL		11															
LDL	117 H	mg/dL		150 H															
LDL Risk Classification Adult (mg/dL)																			
Desirable <100																			
Borderline Risk 100-159																			
High Risk >160																			
Note: Optimal Levels are between 50-100																			
Cholesterol/HDL Ratio	3.6	Ratio		4.2															
Cholesterol/HDL Ratio Risk Classification																			
<table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: center;">Male</td> <td style="text-align: center;">Female</td> </tr> <tr> <td>1/2 average risk</td> <td style="text-align: center;"><3.4</td> <td style="text-align: center;"><3.3</td> </tr> <tr> <td>Average Risk</td> <td style="text-align: center;">3.4-5.0</td> <td style="text-align: center;">3.3-4.4</td> </tr> <tr> <td>2 times average risk</td> <td style="text-align: center;">5.1-9.6</td> <td style="text-align: center;">4.5-7.1</td> </tr> <tr> <td>3 times average risk</td> <td style="text-align: center;">9.7-23.0</td> <td style="text-align: center;">7.2-11.0</td> </tr> </table>						Male	Female	1/2 average risk	<3.4	<3.3	Average Risk	3.4-5.0	3.3-4.4	2 times average risk	5.1-9.6	4.5-7.1	3 times average risk	9.7-23.0	7.2-11.0
	Male	Female																	
1/2 average risk	<3.4	<3.3																	
Average Risk	3.4-5.0	3.3-4.4																	
2 times average risk	5.1-9.6	4.5-7.1																	
3 times average risk	9.7-23.0	7.2-11.0																	
Note: Optimal levels are between 2.0-4.0																			
LDL/HDL Ratio	2.3	Ratio		3.0															
LDL/HDL Ratio Risk Classification																			
<table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: center;">Male</td> <td style="text-align: center;">Female</td> </tr> <tr> <td>1/2 average risk</td> <td style="text-align: center;"><1.0</td> <td style="text-align: center;"><1.5</td> </tr> <tr> <td>Average Risk</td> <td style="text-align: center;">0.0-3.6</td> <td style="text-align: center;">1.5-3.2</td> </tr> <tr> <td>2 times average risk</td> <td style="text-align: center;">3.7-6.3</td> <td style="text-align: center;">3.3-5.0</td> </tr> <tr> <td>3 times average risk</td> <td style="text-align: center;">6.4-8.0</td> <td style="text-align: center;">5.1-6.1</td> </tr> </table>						Male	Female	1/2 average risk	<1.0	<1.5	Average Risk	0.0-3.6	1.5-3.2	2 times average risk	3.7-6.3	3.3-5.0	3 times average risk	6.4-8.0	5.1-6.1
	Male	Female																	
1/2 average risk	<1.0	<1.5																	
Average Risk	0.0-3.6	1.5-3.2																	
2 times average risk	3.7-6.3	3.3-5.0																	
3 times average risk	6.4-8.0	5.1-6.1																	
Note: Optimal levels are between 0.5-2.5																			
Trig/HDL	1	Ratio		1															

Name: Doe, John

Acct. Number: 0001

Sample #: 20865

DOB: 12/14/1976 **Age:** 42 Y

Sex: M

Check Your Health

Collect Date: 02/22/2019 12:39 PM

Fasting: Y

Print Date: 03/01/2019

Bio-Center Laboratory

3100 N. Hillside, Wichita, KS 67219
 (316) 684-7784; Fax (316) 682-2062
 Lab Director: Charles Hinshaw, M.D.

CLIA #: 17D0648333

Medicare # 008052

Red=Needs Improvement Green= Within Acceptable Range (+ 2 Standard Deviations) Blue= Beyond the Expected Range *Below Detectable Limit

<u>Test Name</u>	<u>Result</u>	<u>Units</u>	<u>Reference Range</u>	<u>Previous Result</u> <u>11/13/2017</u>
COMPLETE BLOOD COUNT				
White Blood Cells	6.8	K/uL		
Red Blood Cells	5.23	M/uL		
Hemoglobin	12.8 L	g/dL		
Hematocrit	40.8	%		
MCV	82	fL		
MCH	38 H	g/dL		
MCHC	33	g/L		
RDW	14.2	%		
Platelets	302	K/uL		
CBC Differential				
Neut	60	%		
Lymph	25	%		
Mono	9	%		
Eos	5	%		
Baso	1	%		

Name: Doe, John

Acct. Number: 0001

Sample #: 20865

DOB: 12/14/1976 Age: 42 Y

Sex: M

Check Your Health

Collect Date: 02/22/2019 12:39 PM

Fasting: Y

Print Date: 03/01/2019

Bio-Center Laboratory




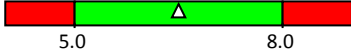








3100 N. Hillside, Wichita, KS 67219
(316) 684-7784; Fax (316) 682-2062

CLIA #: 17D0648333

Lab Director: Charles Hinshaw, M.D.

Medicare # 008052

Red=Needs Improvement **Green**= Within Acceptable Range (+ 2 Standard Deviations) **Blue**= Beyond the Expected Range *Below Detectable Limit

<u>Test Name</u>	<u>Result</u>	<u>Units</u>	<u>Reference Range</u>	<u>Previous Result</u> <u>11/13/2017</u>
Urinalysis, Routine				
Color	Yellow			
			Yel-St	
Appearance	Cloudy			
			Clear	
Specific Gravity	1.015			
			1.009 1.022	
pH	6.5			
			5.0 8.0	
Protein	100 H	mg/dL		
			NEG	
Glucose	250 H	mg/dL		
			NEG	
Ketone	Negative	mg/dL		
			NEG	
Bilirubin	Negative	mg/dL		
			NEG	
Blood	Negative	RBCs/uL		
			NEG	
Urobilinogen	Normal	mg/dL		
			NOR	
Nitrite	Negative			
			NEG	
Leukocyte	75 H	Leu/uL		
			NEG	

2-5 WBC/HPF Reference range: 0-5 WBC/HPF
0-2 Squamous epithelial cells/HPF

IRON AND TIBC

Performed by LabCorp: 7777 Forest Lane Suite,C350, Dallas, TX 75230-2544

Name: Doe, John

Acct. Number: 0001

Sample #: 20865

DOB: 12/14/1976 **Age:** 42 Y

Sex: M

Check Your Health

Collect Date: 02/22/2019 12:39 PM

Fasting: Y

Print Date: 03/01/2019

Bio-Center Laboratory

3100 N. Hillside, Wichita, KS 67219
(316) 684-7784; Fax (316) 682-2062

CLIA #: 17D0648333

Lab Director: Charles Hinshaw, M.D.

Medicare # 008052

Red=Needs Improvement **Green**= Within Acceptable Range (+ 2 Standard Deviations) **Blue**= Beyond the Expected Range *Below Detectable Limit

<u>Test Name</u>	<u>Result</u>	<u>Units</u>	<u>Reference Range</u>	<u>Previous Result</u> <u>11/13/2017</u>
Total Iron Binding Cap	334	ug/dL	 250 450	
UIBC	205	ug/dL	 111 343	
Iron Saturation	7 L	%	 15 55	

CHEMISTRY PROFILE

Performed by LabCorp: 7777 Forest Lane Suite, C350, Dallas, TX 75230-2544

Glucose	65	mg/dL	 65 99
---------	----	-------	--------------------------------

Uric Acid	4.5	mg/dL	 3.7 8.6
-----------	-----	-------	----------------------------------

Therapeutic target for gout patients is < 6.0 mg/dL

BUN	15	mg/dL	 6 24
-----	----	-------	-------------------------------

Creatinine	0.72 L	mg/dL	 0.76 1.27
------------	---------------	-------	------------------------------------

BUN/CRE	21 H		 9 20
---------	-------------	--	-------------------------------

eGFR NAA	95		
----------	----	--	--

Reference Range: >59 mL/min/1.73 m²

eGFR AA	105		
---------	-----	--	--

Reference Range: >59 mL/min/1.73 m²

Sodium	152 H	mmol/L	 134 144
--------	--------------	--------	----------------------------------

Potassium	4.8	mmol/L	 3.5 5.2
-----------	-----	--------	----------------------------------

Chloride	102	mmol/L	 96 106
----------	-----	--------	---------------------------------

Carbon Dioxide (CO2)	25	mmol/L	 20 29
----------------------	----	--------	--------------------------------

Name: Doe, John

Acct. Number: 0001

Sample #: 20865

DOB: 12/14/1976 **Age:** 42 Y

Sex: M

Check Your Health

Collect Date: 02/22/2019 12:39 PM

Fasting: Y

Print Date: 03/01/2019

Bio-Center Laboratory

3100 N. Hillside, Wichita, KS 67219
(316) 684-7784; Fax (316) 682-2062

CLIA #: 17D0648333

Lab Director: Charles Hinshaw, M.D.

Medicare # 008052

Red=Needs Improvement **Green**= Within Acceptable Range (+ 2 Standard Deviations) **Blue**= Beyond the Expected Range *Below Detectable Limit

<u>Test Name</u>	<u>Result</u>	<u>Units</u>	<u>Reference Range</u>	<u>Previous Result</u> <u>11/13/2017</u>
Calcium	9.9	mg/dL	 8.7 10.2	
Phosphorus	3.6	mg/dL	 2.5 4.5	
Protein, Total	7.8	g/dL	 6.0 8.5	
Albumin	5.9 H	g/dL	 3.5 5.5	
Globulin	2.4	g/dL	 1.5 4.5	
Albumin/Globulin	2.5 H		 1.2 2.2	
Bilirubin, Total	0.7	mg/dL	 0.0 1.2	
Alkaline Phosphatase	64	IU/L	 39 117	
LDH	197	IU/L	 121 224	
SGOT (AST)	30	IU/L	 0 40	
SGPT (ALT)	45 H	IU/L	 0 44	
Gamma GT (GGT)	15	IU/L	 0 65	
Iron, Total	179 H	ug/dL	 38 168	
Pyrroles, Urine	25 H	ug/dL	 0 20	19
Ferritin	199	ng/mL	 16 294	
G6PD	11.8	U/gHb	 7.0 20.4	

Name: Doe, John

Acct. Number: 0001

Sample #: 20865

DOB: 12/14/1976 Age: 42 Y

Sex: M

Check Your Health

Collect Date: 02/22/2019 12:39 PM

Fasting: Y

Print Date: 03/01/2019

Bio-Center Laboratory

3100 N. Hillside, Wichita, KS 67219
(316) 684-7784; Fax (316) 682-2062

CLIA #: 17D0648333

Lab Director: Charles Hinshaw, M.D.

Medicare # 008052

Red=Needs Improvement **Green**= Within Acceptable Range (+ 2 Standard Deviations) **Blue**= Beyond the Expected Range *Below Detectable Limit

Test Name

Result

Units

Reference Range

Previous Result

11/13/2017

Burlington, NC 27215

Name: Doe, John

Acct. Number: 0001

Sample #: 20865

DOB: 12/14/1976 **Age:** 42 Y

Sex: M

Check Your Health

Collect Date: 02/22/2019 12:39 PM

Fasting: Y

Print Date: 03/01/2019