

# Anemia Profile B

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
▼ <b>Iron Bind.Cap.(TIBC)</b>	<b>207</b> <b>Low</b>		ug/dL	250-450
UIBC <sup>01</sup>	114		ug/dL	111-343
Iron <sup>01</sup>	93		ug/dL	38-169
Iron Saturation	45		%	15-55
Ferritin <sup>01</sup>	189		ng/mL	30-400
Vitamin B12 <sup>01</sup>	860		pg/mL	232-1245
Folate (Folic Acid), Serum <sup>01</sup>	10.7		ng/mL	>3.0
Note: <sup>01</sup>	A serum folate concentration of less than 3.1 ng/mL is considered to represent clinical deficiency.			
<sup>01</sup>				
CBC, Platelet Ct, and Diff <sup>01</sup>				
WBC <sup>01</sup>	6.5		x10E3/uL	3.4-10.8
RBC <sup>01</sup>	5.54		x10E6/uL	4.14-5.80
▲ <b>Hemoglobin<sup>01</sup></b>	<b>18.1</b> <b>High</b>		g/dL	13.0-17.7
▲ <b>Hematocrit<sup>01</sup></b>	<b>53.0</b> <b>High</b>		%	37.5-51.0
MCV <sup>01</sup>	96		fL	79-97
MCH <sup>01</sup>	32.7		pg	26.6-33.0
MCHC <sup>01</sup>	34.2		g/dL	31.5-35.7
RDW <sup>01</sup>	12.4		%	11.6-15.4
Platelets <sup>01</sup>	260		x10E3/uL	150-450
Neutrophils <sup>01</sup>	62		%	Not Estab.
Lymphs <sup>01</sup>	29		%	Not Estab.
Monocytes <sup>01</sup>	7		%	Not Estab.
Eos <sup>01</sup>	1		%	Not Estab.
Basos <sup>01</sup>	1		%	Not Estab.
Neutrophils (Absolute) <sup>01</sup>	4.1		x10E3/uL	1.4-7.0
Lymphs (Absolute) <sup>01</sup>	1.9		x10E3/uL	0.7-3.1
Monocytes(Absolute) <sup>01</sup>	0.4		x10E3/uL	0.1-0.9
Eos (Absolute) <sup>01</sup>	0.1		x10E3/uL	0.0-0.4
Baso (Absolute) <sup>01</sup>	0.0		x10E3/uL	0.0-0.2
Immature Granulocytes <sup>01</sup>	0		%	Not Estab.
Immature Grans (Abs) <sup>01</sup>	0.0		x10E3/uL	0.0-0.1
Reticulocyte Count <sup>01</sup>	1.6		%	0.6-2.6

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## Patient Report



Account Number: 31035370  
Ordering Physician: [REDACTED]

## NMR LipoProfile+Lipids+IR+Gph

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
LDL Particle Number <sup>02</sup>				
▲ <b>LDL-P<sup>A,02</sup></b>	<b>1116</b> <b>High</b>		nmol/L	<1000
		Low	< 1000	
		Moderate	1000 - 1299	
		Borderline-High	1300 - 1599	
		High	1600 - 2000	
		Very High	> 2000	
Lipids <sup>02</sup>				
LDL-C (NIH Calc) <sup>02</sup>	97		mg/dL	0-99
		Optimal	< 100	
		Above optimal	100 - 129	
		Borderline	130 - 159	
		High	160 - 189	
		Very high	> 189	
▼ <b>HDL-C<sup>A,02</sup></b>	<b>38</b> <b>Low</b>		mg/dL	>39
Triglycerides <sup>A,02</sup>	73		mg/dL	0-149
Cholesterol, Total <sup>A,02</sup>	149		mg/dL	100-199
LDL and HDL Particles <sup>02</sup>				
▼ <b>HDL-P (Total)<sup>A,02</sup></b>	<b>24.4</b> <b>Low</b>		umol/L	>=30.5
Small LDL-P <sup>A,02</sup>	453		nmol/L	<=527
LDL Size <sup>A,02</sup>	20.9		nm	>20.5

\*\*\*\*\* INTERPRETATIVE INFORMATION\*\*\*\*\*

PARTICLE CONCENTRATION AND SIZE

<--Lower CVD Risk Higher CVD Risk-->

LDL AND HDL PARTICLES	Percentile in	Reference Population			
HDL-P (total)	High	75th	50th	25th	Low
	>34.9	34.9	30.5	26.7	<26.7
Small LDL-P	Low	25th	50th	75th	High
	<117	117	527	839	>839
LDL Size	<-Large (Pattern A)->		<-Small (Pattern B)->		

LDL Size <-Large (Pattern A)-> <-Small (Pattern B)->  
 23.0 20.6 20.5 19.0

Comment:<sup>02</sup>

Small LDL-P and LDL Size are associated with CVD risk, but not after LDL-P is taken into account.

Insulin Resistance/Diab. Risk<sup>02</sup>

Large VLDL-P <sup>A,02</sup>	2.2		nmol/L	<=2.7
Small LDL-P <sup>A,02</sup>	453		nmol/L	<=527
▼ Large HDL-P <sup>A,02</sup>	3.8	Low	umol/L	>=4.8
VLDL Size <sup>A,02</sup>	41.3		nm	<=46.6
LDL Size <sup>A,02</sup>	20.9		nm	>=20.8
▼ HDL Size <sup>A,02</sup>	8.8	Low	nm	>=9.2
Insulin Resistance Score <sup>02</sup>				
▲ LP-IR Score <sup>A,02</sup>	49	High		<=45

INSULIN RESISTANCE / DIABETES RISK MARKERS  
 <--Insulin Sensitive Insulin Resistant-->  
 Percentile in Reference Population

Large VLDL-P Low 25th 50th 75th High

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[Redacted Patient Information]

[Redacted Patient Information]  
 Sex: Male

Patient Report



Ordering Physician: D FINK

NMR Lipoprofile+Lipids+IR+Gph (Cont.)

Small LDL-P	<0.9	0.9	2.7	6.9	>6.9
	Low	25th	50th	75th	High
	<117	117	527	839	>839
Large HDL-P	High	75th	50th	25th	Low
	>7.3	7.3	4.8	3.1	<3.1
VLDL Size	Small	25th	50th	75th	Large
	<42.4	42.4	46.6	52.5	>52.5
LDL Size	Large	75th	50th	25th	Small
	>21.2	21.2	20.8	20.4	<20.4
HDL Size	Large	75th	50th	25th	Small
	>9.6	9.6	9.2	8.9	<8.9
Insulin Resistance Score					
LP-IR SCORE	Low	25th	50th	75th	High
	<27	27	45	63	>63

Comment:<sup>02</sup>

LP-IR Score is inaccurate if patient is non-fasting.  
 The LP-IR score is a laboratory developed index that has been associated with insulin resistance and diabetes risk and should be used as one component of a physician's clinical assessment.

PDF<sup>02</sup>

TSH+Free T4

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
TSH <sup>01</sup>	2.210		uIU/mL	0.450-4.500
T4,Free(Direct) <sup>01</sup>	1.49		ng/dL	0.82-1.77

Comp. Metabolic Panel (14)

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Glucose <sup>01</sup>	85		mg/dL	65-99
▲ BUN <sup>01</sup>	24 High		mg/dL	6-20
▲ Creatinine <sup>01</sup>	1.31 High		mg/dL	0.76-1.27
eGFR	77		mL/min/1.73	>59
BUN/Creatinine Ratio	18			9-20
Sodium <sup>01</sup>	140		mmol/L	134-144
Potassium <sup>01</sup>	4.3		mmol/L	3.5-5.2
Chloride <sup>01</sup>	100		mmol/L	96-106
Carbon Dioxide, Total <sup>01</sup>	23		mmol/L	20-29
Calcium <sup>01</sup>	9.6		mg/dL	8.7-10.2
Protein, Total <sup>01</sup>	7.3		g/dL	6.0-8.5
Albumin <sup>01</sup>	4.8		g/dL	4.1-5.2
Globulin, Total	2.5		g/dL	1.5-4.5
A/G Ratio	1.9			1.2-2.2
Bilirubin, Total <sup>01</sup>	0.4		mg/dL	0.0-1.2
Alkaline Phosphatase <sup>01</sup>	69		IU/L	44-121
AST (SGOT) <sup>01</sup>	32		IU/L	0-40
ALT (SGPT) <sup>01</sup>	35		IU/L	0-44

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## Hemoglobin A1c

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Hemoglobin A1c <sup>01</sup>	4.8		%	4.8-5.6
Please Note: <sup>01</sup>	Prediabetes: 5.7 - 6.4 Diabetes: >6.4 Glycemic control for adults with diabetes: <7.0			

## AFP, Serum, Tumor Marker

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
AFP, Serum, Tumor Marker <sup>01</sup>	2.0		ng/mL	0.0-5.7
	Roche Diagnostics Electrochemiluminescence Immunoassay (ECLIA) Values obtained with different assay methods or kits cannot be used interchangeably. Results cannot be interpreted as absolute evidence of the presence or absence of malignant disease. This test is not interpretable in pregnant females.			

## DHEA-Sulfate

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
DHEA-Sulfate <sup>01</sup>	358.0		ug/dL	138.5-475.2

## Cortisol

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Cortisol <sup>01</sup>	15.7		ug/dL	
		Cortisol AM	6.2 - 19.4	
		Cortisol PM	2.3 - 11.9	

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<p>DOB: [REDACTED] Age: 27 Gender: [REDACTED]</p>	<p><b>Patient Report</b> Account Number: 21023370 Ordering Physician: [REDACTED]</p>	
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## Prostate-Specific Ag

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Prostate Specific Ag <sup>01</sup>	1.1		ng/mL	0.0-4.0
	Roche ECLIA methodology. According to the American Urological Association, Serum PSA should decrease and remain at undetectable levels after radical prostatectomy. The AUA defines biochemical recurrence as an initial PSA value 0.2 ng/mL or greater followed by a subsequent confirmatory PSA value 0.2 ng/mL or greater. Values obtained with different assay methods or kits cannot be used interchangeably. Results cannot be interpreted as absolute evidence of the presence or absence of malignant disease.			

## IGF-1

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
▲ Insulin-Like Growth Factor I <sup>02</sup>	319 <b>High</b>		ng/mL	101-307

## Vitamin D, 25-Hydroxy

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vitamin D, 25-Hydroxy <sup>01</sup>	53.7		ng/mL	30.0-100.0
	Vitamin D deficiency has been defined by the Institute of Medicine and an Endocrine Society practice guideline as a level of serum 25-OH vitamin D less than 20 ng/mL (1,2). The Endocrine Society went on to further define vitamin D insufficiency as a level between 21 and 29 ng/mL (2). 1. IOM (Institute of Medicine). 2010. Dietary reference intakes for calcium and D. Washington DC: The National Academies Press. 2. Holick MF, Binkley NC, Bischoff-Ferrari HA, et al. Evaluation, treatment, and prevention of vitamin D deficiency: an Endocrine Society clinical practice guideline. JCEM. 2011 Jul; 96(7):1911-30.			

## Lipoprotein (a)

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Lipoprotein (a) <sup>02</sup>	<8.4		nmol/L	<75.0
	**Results verified by repeat testing** Note: Values greater than or equal to 75.0 nmol/L may indicate an independent risk factor for CHD, but must be evaluated with caution when applied to non-Caucasian populations due to the influence of genetic factors on Lp(a) across ethnicities.			

## C-Reactive Protein, Cardiac

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
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Specimen ID: 48-0

### TMAO (Trimethylamine N-oxide)

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
TMAO (Trimethylamine N-oxide) <sup>A,02</sup>	<3.3		uM	<6.2
TMAO Medical Decision Limits				
			Low	<6.2
			Moderate	6.2 - 9.9
			High	>9.9

### Estradiol, Sensitive

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Estradiol, Sensitive <sup>02</sup>	26.1		pg/mL	8.0-35.0
This test was developed and its performance characteristics determined by LabCorp. It has not been cleared by the Food and Drug Administration. Methodology: Liquid chromatography tandem mass spectrometry(LC/MS/MS)				

### Homocyst(e)ine

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Homocyst(e)ine <sup>01</sup>	7.2		umol/L	0.0-14.5

### Uric Acid

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Uric Acid <sup>01</sup>	5.9		mg/dL	3.8-8.4
Therapeutic target for gout patients: <6.0				

### Phosphorus

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Phosphorus <sup>01</sup>	3.6		mg/dL	2.8-4.1

### GGT

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
GGT <sup>01</sup>	10		IU/L	0-65

### Thyroglobulin Antibody

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Thyroglobulin Antibody <sup>01</sup>	<1.0		IU/mL	0.0-0.9
Thyroglobulin Antibody measured by Beckman Coulter Methodology				

### Creatine Kinase, Total

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Creatine Kinase, Total <sup>01</sup>	296		U/L	49-439

### Magnesium

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Magnesium <sup>01</sup>	2.2		mg/dL	1.6-2.3

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**Hancock, Thomas**

Patient ID: **MH12674**  
Specimen ID: **124-363-3248-0**

DOB: **04/08/1995**

Age: **27**  
Sex: **Male**

**Patient Report**

Account Number: **21025370**  
Ordering Physician: **D FINK**

### Fibrinogen Activity

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Fibrinogen Activity <sup>01</sup>	316		mg/dL	193-507

### Progesterone

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Progesterone <sup>01</sup>	0.3		ng/mL	0.0-0.5

### Insulin

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Insulin <sup>01</sup>	6.2		uIU/mL	2.6-24.9

### Thyroid Peroxidase (TPO) Ab