



Lab Comparison Report

Prepared for

Patient MM

Prepared by

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Most Recent Collection Date

08/21/2026

Analysis Date

09/26/2026

Blood Oxygen & Red Blood Cell Function

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
RBC	m/mcL	4.86 ↑	4.65	4.53	5.48 ↑	🚫	3.35	3.72	4.09	4.83	5.2	5.57
HGB	g/dL	13.8	13.1	13.1	16 ↑	🚫	10.275	11.4	12.525	14.775	15.9	17.025
HCT	%	39	39.1	38.1 ↓	46.7 ↑	🚫	31.05	34.2	37.35	43.65	46.8	49.95
MCV	fL	80.25	84.09	84.11	85.22		64.7	71.6	78.5	92.3	99.2	106.1
MCH	pg	28.4	28.17	28.92	29.2		22.3	24.7	27.1	31.9	34.3	36.7
MCHC	g/dL	35.38 ↑	33.5	34.38	34.26		31.18	32.1	33.03	34.88	35.8	36.72
RDW	%	16.3 ↑	13.4 ↑	13.1 ↑	12.7	👍	10.35	11.4	0	13	15.6	16.65
RPI		0.67 ↓					0.25	0.5	1	2	3	5
G6PD, Qualitative					Normal							

Iron Status & Utilization

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Iron	mcg/dL	75	102	72 ↓	123	👍	22.5	45	73.75	131.25	160	188.75
TIBC	mcg/dL	336	303	324			200	250	300	341	450	500
% Saturation	%	22.3 ↓	33.7	22.2 ↓			8.75	16	24	35	45	52.25
Ferritin	ng/mL	117 ↑	150 ↑	61	216 ↑	🚫	6	12	40	75	150	184.5
Transferrin	mg/dL				292		157.5	200	242.5	327.5	370	412.5
Ceruloplasmin	mg/dL	27.5 ↑	30 ↑				14	19	19.1	27	39	44
Copper, serum	µg/dL	128 ↑					46.75	69	70	110	158	180.25
Free Copper	%	35.55 ↑					0	2.5	5	20	30	40

Glucose Regulation & Metabolic Function

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Glucose	mg/dL	85	87	94 ↑	93 ↑	👍	62.75	70	82	88	99	125
HbA1c	%	5.1	5.5 ↑	5.1	6.8 ↑	👎	3.6	4	5	5.4	5.6	6.4
Insulin	μIU/mL				4.63		0.1	2.6	3	5	18.4	22.35
C-peptide	ng/mL	1.1	1.1				0.6	0.8	0.9	1.8	3.85	4.61
Amylase	U/L				91 ↑		11.3	31	40	86	110	129.8
TG/HDL Ratio	Ratio	0.62	0.5	0.49	0.4		0	0	0	2	2.5	3.5
Triglycerides (TG)	mg/dL	61	44 ↓	45 ↓	43.7 ↓	👎	15	25	50	100	150	199
HDL Cholesterol	mg/dL	98 ↑	88 ↑	92 ↑	108 ↑	👎	40	50	65	85	95	105
LDL Cholesterol	mg/dL	158 ↑	110	116	148.5 ↑	👎	30	55	80	130	159	190
ALT (SGPT)	U/L	16	13	15	26 ↑	👎	3	6	12	19	29	35
Lipase	U / L				29		1	13	25	48	60	72

Lipid Balance

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Cholesterol, Total	mg/dL	265 ↑	206	221	265.2 ↑	🚨	130	160	180	240	270	300
HDL Cholesterol	mg/dL	98 ↑	88 ↑	92 ↑	108 ↑	🚨	40	50	65	85	95	105
Triglycerides (TG)	mg/dL	61	44 ↓	45 ↓	43.7 ↓	🚨	15	25	50	100	150	199
LDL Cholesterol	mg/dL	158 ↑	110	116	148.5 ↑	🚨	30	55	80	130	159	190
Chol/HDL Ratio	Ratio	2.7	2.34	2.4	2.46		0	0	0	3	3.3	4.4
TG/HDL Ratio	Ratio	0.62	0.5	0.49	0.4		0	0	0	2	2.5	3.5
Apo A-1	mg/dL		206				86	116	150	210	240	270
Apo B	mg/dL		91 ↑	90 ↑			11	28	45	79	99	120
Apo B/Apo A-1	Ratio		0.44				0	0	0	0.59	0.62	0.78
VLDL Cholesterol	mg/dL				8.8 ↓		0	5	13.8	31.3	40	48.8
Atherogenic Index	ratio				2.5		0	0	0	3.8	5	6.3
NON HDL CHOLESTEROL	mg/dL			129 ↑			0	0	0	97	129	161

Thyroid Function

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
TSH	μIU/mL	3 ↑	2	1.54	1.76		0.1	0.4	1	2	4.5	5.525
T4, Total	mcg/dL	9.1	7	7.7	9.19		3.4	5.1	6.8	11.8	11.9	13.6
T4, Free	ng/dL	1.35	1.3		1.73 ↑		0.55	0.8	1.3	1.7	1.8	2.05
T3, Total	ng/dL	108	78 ↓		129		49.75	76	100	180	181	207.25
T3, Free	pg/mL	2.6 ↓	2.1 ↓		3.14 ↓		1.4	2	3.2	3.6	4.4	5
Reverse T3	ng/dL	20.6	17.1				3.75	8	9	24	25	29.25
TPO Ab	IU/mL	103 ↑	34 ↑		49.5 ↑		0	0	0	8.8	8.9	34
Tg Ab	IU/mL	14 ↑	1.3 ↑		114 ↑		0	0	0	0.9	2	2.5
T3 Uptake	%	37 ↑	32	29			20.25	24	27.75	35.25	39	42.75
FTI	Ratio	3.4	2.2	2.2			0.8	1.4	1.5	3.7	3.8	4.4
T4 Iodine	mcg/dL				6		2	3	4	7	8	9
Protein-Bound Iodine (PBI)	mcg/dL				4.62		1.68	2.6	3.53	5.38	6.3	7.23
T4 Uptake (T-Uptake)	TBI				0.981		0.51	0.69	0.87	1.23	1.41	1.59
T3 Uptake	mcg/dL				1.02		0.75	0.83	0.91	1.09	1.17	1.26

Vitamin & Mineral Status

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Calcium (Ca) corr	mg/dL	9.9 ↑	9.6	9.2 ↓	10.3 ↑	🔴	8.2	8.6	9.3	9.8	10.3	10.7
Ceruloplasmin	mg/dL	27.5 ↑	30 ↑				14	19	19.1	27	39	44
Copper, serum	µg/dL	128 ↑					46.75	69	70	110	158	180.25
Cu/Zn Ratio	Ratio	1.94 ↑					0.5	0.7	0.8	1	1.5	1.7
Free Copper	%	35.55 ↑					0	2.5	5	20	30	40
Folate, serum	ng/mL	11.8 ↓					9	13	17	25	29	33
Homocysteine	µmol/L				15.3 ↑		0	2.5	5	7	10.3	14.5
Magnesium, RBC	mg/dL	4.9 ↓	5 ↓				3.55	4.2	6	6.7	6.8	7.45
Magnesium, serum	mg/dL				2.2		1.25	1.5	2	2.3	2.5	2.75
Phosphorus	mg/dL	3.9	3.6		3.5		2.05	2.5	2.95	3.9	4.3	4.75
Vitamin B6	µg/L	14.9					3.4	5.2	12.4	65	65.2	80.2
Vitamin B12	pg/mL	1812 ↑					149	300	400	800	1100	1245
Vitamin D (25-OH)	ng/mL	60.3	63	46 ↓	61.3	🟢	12.5	30	50	80	100	150
Vit D 1,25 (OH)2	pg/mL		43.5				10.63	24.8	38.98	81	81.5	95.68
Zinc, serum	µg/dL	66 ↓					42.5	60	95	129	130	147.5

Protein Status

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Protein, Total	g/dL	7.5	7.1	7	8.75 ↑	🔴	5.6	6.1	6.9	7.8	8.1	8.6
Albumin	g/dL	5	4.6	4.5	5.4 ↑	🔴	3.2	3.6	4.5	5	5.1	5.5
Globulin	g/dL	2.5	2.5	2.5	3.35 ↑	🔴	1.5	1.9	2.4	2.8	3.7	4.2
A/G Ratio	Ratio	2 ↑	1.84	1.8	1.61		0.95	1.2	1.45	1.95	2.2	2.45

Immune Activity

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
WBC	k/mcL	5.1	4.9	5.6	5.4		1.68	3.11	4.54	7.4	8.83	10.26
Neutrophils	%	46	44	44	37 ↓	🔴	26.9	35.3	43.7	60.5	68.9	77.3
Lymphocytes	%	48 ↑	49 ↑	48.4 ↑	56 ↑	🔴	13.48	21.3	29.13	44.78	52.6	60.43
Monocytes	%	5 ↓	6	6.3	7		1.81	3.53	5.25	8.68	10.4	12.12
Eosinophils	%	1	1	0.9	0 ↓	🔴	0	0.5	0.8	3	5	10
Basophils	%	0	0	0.4	0		0	0	0	0.95	1.27	1.59
Abs Neutro	k/mcL	2.346	2.156	2.464	1.998 ↓	🔴	0.02	1.06	2.1	4.18	5.22	6.26
Abs Lympho	k/mcL	2.448	2.401	2.71	3.024 ↑	🔴	0.32	0.94	1.56	2.8	3.42	4.04
Abs Mono	k/mcL	0.255 ↓	0.294	0.353	0.378		0.05	0.17	0.29	0.53	0.65	0.77
Abs Eosino	k/mcL	0.051	0.049 ↓	0.05	0 ↓	🔴	0	0.03	0.05	0.18	0.31	1.5
Abs Baso	k/mcL	0	0	0.022	0		0	0	0	0.056	0.075	0.094
NLR	Ratio	0.96 ↓	0.9 ↓	0.91 ↓	0.66 ↓	🔴	0.5	1	1.5	2	2.5	3
Globulin	g/dL	2.5	2.5	2.5	3.35 ↑	🔴	1.5	1.9	2.4	2.8	3.7	4.2
Alk Phos	U/L	62 ↓	68	57 ↓	82	🟢	8	37	66	124	153	182
Zinc, serum	µg/dL	66 ↓					42.5	60	95	129	130	147.5

Inflammation & Oxidative Stress

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Homocysteine	μmol/L				15.3 ↑		0	2.5	5	7	10.3	14.5
hs-CRP	mg/L	0.42	0.43	0.2	0.49		0	0	0	0.9	3	10
Sed Rate (ESR)	mm/h	6			15 ↑		0	0.5	1	10	30	37.38
Albumin	g/dL	5	4.6	4.5	5.4 ↑	🔴	3.2	3.6	4.5	5	5.1	5.5
Bilirubin, Total	mg/dL	0.3 ↓	0.19 ↓	0.4 ↓	0.76	🟢	0.1	0.2	0.45	0.8	1.2	1.45
Ceruloplasmin	mg/dL	27.5 ↑	30 ↑				14	19	19.1	27	39	44
Ferritin	ng/mL	117 ↑	150 ↑	61	216 ↑	🔴	6	12	40	75	150	184.5
Fibrinogen	mg/dL	248					150	175	200	350	400	450
GGT	UL	11 ↑	8	8	14 ↑	🔴	0	3	5	9	18	60
HDL Cholesterol	mg/dL	98 ↑	88 ↑	92 ↑	108 ↑	🔴	40	50	65	85	95	105
TIBC	mcg/dL	336	303	324			200	250	300	341	450	500
Uric Acid	mg/dL	5 ↑	4.6 ↑	4.2	4.31		1.7	2.5	3.2	4.4	5.7	7
Transferrin	mg/dL				292		157.5	200	242.5	327.5	370	412.5
Creatine Kinase, Total (CK)	U/L				74		0	30	60	120	150	180

Blood Clotting & Flow

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Platelets	k/mcL	188 ↓	187 ↓	205	189 ↓	📉	111	157	203	294	340	386
MPV	fL			11.3 ↑	10.4	📈	6.1	7.2	8.3	10.6	11.7	12.8
D-Dimer	mg/L FEU	0.21					0	0	0	0.54	0.55	1.5
Fibrinogen	mg/dL	248					150	175	200	350	400	450
Viscosity - Estimated	cP	3.89	3.83	3.69 ↓	5.02 ↑	📉	2.14	3.07	3.53	4.46	4.92	5.85
HCT	%	39	39.1	38.1 ↓	46.7 ↑	📉	31.05	34.2	37.35	43.65	46.8	49.95
Protein, Total	g/dL	7.5	7.1	7	8.75 ↑	📉	5.6	6.1	6.9	7.8	8.1	8.6
Prothrombin Time (PT)	seconds				10.9 ↓		9	10	11	13	14	15
Prothrombin Time, Control	seconds				12.7		9	10	11	13	14	15
INR	ratio				0.85 ↓		0.7	0.8	0.9	1.1	1.2	1.3
Partial Thromboplastin Time (PTT)	seconds				27		17	21	25	33	37	41

Liver Function

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Bile Acids	μmol/L	0.9 ↓					1.25	3	4.75	8.25	10	19
Bilirubin, Total	mg/dL	0.3 ↓	0.19 ↓	0.4 ↓	0.76	👍	0.1	0.2	0.45	0.8	1.2	1.45
Bilirubin, Direct	mg/dL	0.12		0.1	0.16		0	0	0	0.2	0.3	0.4
Bilirubin, Indirect	mg/dL	0.18		0.3	0.6		0	0.1	0.11	0.78	1	1.23
Alk Phos	U/L	62 ↓	68	57 ↓	82	👍	8	37	66	124	153	182
AST (SGOT)	U/L	16	15	15	23		4	10	12	29	35	41
ALT (SGPT)	U/L	16	13	15	26 ↑	👎	3	6	12	19	29	35
AST/ALT Ratio	Ratio	1	1.15	1	0.88 ↓	👎	0.6	0.8	1	1.5	1.7	2
GGT	UL	11 ↑	8	8	14 ↑	👎	0	3	5	9	18	60
LDH, LD	U/L	160	132 ↓		191.82		87.5	120	152.5	217.5	250	282.5
Hepatic Steatosis Index (HSI)		32 ↑	32.4 ↑	32 ↑	34.6 ↑	👎	0	0	0	30	36	45
Fibrosis-4 Index (FIB-4)		1.09	1.16	1.02	1.31 ↑	👎	0	0	0	1.3	2.67	3.25

Kidney Function

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
BUN	mg/dL	9 ↓	16	16	11.7 ↓	👎	7.5	10	12.5	17.5	20	22.5
Creatinine	mg/dL	0.77	0.78	0.76	0.74		0.367	0.5	0.633	0.897	1.03	1.163
eGFR	mL/min/1.73m2	93	91	93	95.5		30	60	90	120	180	210
BUN/Creat Ratio	Ratio	11.69	20.51 ↑	21.05 ↑	15.81	👍	2	6	10	18	22	26
Uric Acid	mg/dL	5 ↑	4.6 ↑	4.2	4.31		1.7	2.5	3.2	4.4	5.7	7

Electrolyte Balance

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Sodium	mmol/L	140	137 ↓	138 ↓	140	👍	132	135	139	142	146	149
Potassium	mmol/L	3.8 ↓	4.7 ↑	4.5 ↑	4.1	👍	3.1	3.5	4	4.4	5.2	5.6
Chloride	mmol/L	100 ↓	97 ↓	100 ↓	100 ↓		95	98	101	107	110	113
Carbon Dioxide	mmol/L	23	22 ↓	28 ↑			17	20	23	29	32	35
Anion Gap	mmol/L	17 ↑	18 ↑	10			0	3	6	12	15	18
Anion Gap w/ K	mmol/L	20.8 ↑	22.7 ↑	14.5			4	7	10	16	19	22

Stress & Adrenal Balance

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Na/K Ratio	Ratio	36.8 ↑	29.1 ↓	30.7	34.1		25	27.5	30	35	37.5	40
Sodium	mmol/L	140	137 ↓	138 ↓	140	👍	132	135	139	142	146	149
Potassium	mmol/L	3.8 ↓	4.7 ↑	4.5 ↑	4.1	👍	3.1	3.5	4	4.4	5.2	5.6
Cortisol, AM	mcg/dL			12.4 ↓	8.09 ↓	👎	2.8	4	13	21	22	26.5
DHEA-S	µg/dL			77 ↓			20.58	29.4	124.95	220.4	220.5	286.65
Pregnenolone	ng/dL			157			15.4	22	113.8	236.9	237	308.1

Hormone Balance

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Estradiol (E2)	pg/mL		5.7 ↓	29	5.8 ↓	📉	4.2	6	6.1	30	31	54.7
FSH	mIU/mL				62.1		18.06	25.8	25.9	134.7	134.8	175.24
IGF-1	ng/mL		124				45.5	65	102.8	178.3	216	253.8
LH	mIU/mL				27.8		5.39	7.7	7.8	58.4	58.5	76.05
Progesterone	ng/mL		0.6 ↑		0.99 ↑		0	0.01	0.1	0.4	0.49	0.8
Prolactin	ng/mL				3.94		1.4	2	2.1	19.9	20	26
SHBG	nmol/L			102			8.4	12	13	149	150	195
BioT	ng/dL			1.5 ↓			0	2.02	5.76	9.4	9.5	16
FreeT, Direct	pg/mL		0.19 ↓	0.7 ↓			0.7	1.16	1.16	4.1	4.2	5.5
TotalT, LC/MS	ng/dL			16 ↓			1.4	2	23.5	44	45	58.5

Immature WBC Differentials

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Band Neutrophils	%				0		0	0	0	4	5	6
Metamyelocytes	%				0		0	0	0	0.7	0.9	1.1
Myelocytes	%				0		0	0	0	0.7	0.9	1.1
Promyelocytes	%				0		0	0	0	0.7	0.9	1.1
Blasts	%				0		0	0	0	0.7	0.9	1
Total Neutrophils	%				37 ↓		26.9	35.3	43.7	60.5	68.9	77.3

Blood Film Observations

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Red Series Observations					Absent							
White Series Observations					Absent							
Neutrophil Observations					Absent							
Lymphocyte Observations					Reactive (+)							
Platelet Number Alteration					Absent							

Blood Type

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Blood Group & Rh Factor					A Rh Positive							

Vascular Health

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
ADMA (asymmetric dimethylarginine)	ng/mL		85 ↑				0	0	0	74	99	124
SDMA (symmetric dimethylarginine)	ng/mL		80 ↓				58	73	89	120	135	151

Fatty Acid Status

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
OmegaCheck(TM)	% by wt		7.7				4.1	5.5	5.5	8.3	11	12.4
Arachidonic Acid/EPA Ratio			4.6 ↓				0	3.7	13	31.5	40.7	50
Omega-6/Omega-3 Ratio			4.5 ↓				1	3.7	6.4	11.7	14.4	17.1
Omega-3 total	% by wt		7.7				4.1	5.5	5.5	8.3	11	12.4
EPA	% by wt		2.5 ↑				0	0.2	0.7	1.8	2.3	2.8
DPA	% by wt		1.3				0.6	0.8	1.1	1.6	1.8	2.1
DHA	% by wt		3.8				0.5	1.4	2.3	4.2	5.1	6
Arachidonic Acid	% by wt		11.6				6.9	8.6	10.4	13.9	15.6	17.4
Linoleic Acid	% by wt		20.7 ↓				15.9	18.6	21.3	26.8	29.5	32.2
Omega-6 total			34.5 % by wt									

CD4/CD8 Ratio Profile

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Absolute CD 4 Helper	/uL		1063				69	359	649	1229	1519	1809
% CD 4 Pos. Lymph.	%		44.3				23.9	30.8	37.7	51.6	58.5	65.4
Abs. CD 8 Suppressor	/uL		907 ↑				0	109	306	700	897	1094
% CD 8 Pos. Lymph.	%		37.8 ↑				6.1	12	17.9	29.6	35.5	41.4
CD4/CD8 Ratio			1.17 ↓				0.22	0.92	1.62	3.02	3.72	4.42

Immunoglobulins

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Immunoglobulin A (IgA)	mg / dL				121 ↓		0	74.5	158.4	326.3	410.2	494.1
Immunoglobulin G (IgG)	mg / dL				1485 ↑		509.8	745.4	981	1452.2	1687.8	1923.4
Immunoglobulin M (IgM)	mg / dL				145		0	38.5	88.4	188.2	238.1	288
Immunoglobulin E (IgE)	IU/mL				1.8		1	1	1	75.3	100	124.8

Autoimmune Markers

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Antinuclear Antibodies (ANA)			Negative				Expected: Negative					

Celiac Disease Comprehensive

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Deamidated Gliadin Abs, IgA	units		4				0	0	0	19	19	30
Deamidated Gliadin Abs, IgG	units		2				0	0	0	19	19	30
t-Transglutaminase (tTG) IgA	U/mL		1				0	0	0	3	3	10
t-Transglutaminase (tTG) IgG	U/mL		1				0	0	0	5	5	9
Immunoglobulin A, Qn, Serum	mg/dL		125 ↓				21	87	153	286	352	418
Endomysial Antibody IgA			Negative				Expected: Negative					

Viral Antibodies

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Cytomegalovirus (CMV) Ab, IgG	U/mL		7.9 ↑				0	0	0	0.59	0.59	0.69
Cytomegalovirus (CMV) Ab, IgM	AU/mL		37.3 ↑				0	0	0	29.9	29.9	34.9
EBV Early Antigen Ab, IgG	U/mL		21.7 ↑				0	0	0	8.9	8.9	10.9
EBV Ab VCA, IgM	U/mL		35.9				0	0	0	35.9	35.9	43.9
EBV Ab VCA, IgG	U/mL		601 ↑				0	0	0	17.9	17.9	21.9
EBV Nuclear Antigen Ab, IgG	U/mL		601 ↑				0	0	0	17.9	17.9	21.9

Tumor Markers

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Carcinoembryonic Antigen (CEA)	ng / mL				2.34		0	0	0	3.82	5.09	6.36
CA-125	U / mL				5.11		0	0	0	26.25	35	43.75
CA 15-3	U / mL				10.1		0	0	0	18.8	25	31.3
CA 19-9	U / mL				6.36		0	0	0	21.75	29	36.25

Urinalysis

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Urine Specific Gravity	gr / mL		1.005 ↓		1.015		0.996	1.003	1.01	1.023	1.03	1.037
Urine pH			7		6		3.8	4.7	5.7	7.6	8.5	9.5
Dysmorphic RBC	%				0		0	0	0	8	10	13
Normal RBC	%				100 ↑		88	90	93	95	100	103
Leukocyte Esterase			Negative		Negative		Expected: Negative					
Urine Color			Yellow		Pale yellow							
Urine Appearance			Clear		Clear							
Urine Sediment					Scant amount							
Nitrites			Negative		Negative		Expected: Negative					
Urine Protein			Negative		Negative		Expected: Negative					
Urine Glucose			Negative		Negative		Expected: Negative					
Ketones			Negative		Negative		Expected: Negative					
Urobilinogen			0.2		Negative		Expected: Negative					
Urine Bilirubin			Negative		Negative		Expected: Negative					
Urine Blood			Negative		Negative		Expected: Negative					
Urine RBC per Field			None seen		1 - 2		Expected: 0 - 1					
Urine WBC per Field			None seen		1 - 2		Expected: 0 - 5					
Pus Cells					None		Expected: None					
Urine Bacteria					Not observed		Expected: Not observed					
Urethral Cells					Scant amount		Expected: Not observed					

Urinalysis (cont.)

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Urothelial Cells					Not observed		Expected: Not observed					
Renal Cells					Not observed		Expected: Not observed					
Bacterial Cytolysis					Not observed		Expected: Not observed					
Crystalluria					Absent		Expected: Absent					
Mucus Threads					Not observed		Expected: Not observed					
Cylindruria					Absent		Expected: Absent					
Other Urine Structures					Absent		Expected: Absent					
Yeasts					Not observed		Expected: Not observed					
Urine Parasites					Not observed		Expected: Not observed					
Lithogenic Risk 1 - Crystal Size					Absent Risk		Expected: Absent Risk					
Lithogenic Risk 2a - Crystal Thickness					Absent Risk		Expected: Absent Risk					
Lithogenic Risk 2b - Crystal Roughness					Absent Risk		Expected: Absent Risk					
Lithogenic Risk 3 - Crystal Number					Absent Risk		Expected: Absent Risk					
Lithogenic Risk 4 - Twinning					Absent Risk		Expected: Absent Risk					
Lithogenic Risk 5 - Aggregation					Absent Risk		Expected: Absent Risk					

Urinalysis (cont.)

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Epithelial Cells (non renal)			None seen				Expected: 0-10					
Casts			None seen				Expected: None seen					
Bacteria			None seen				Expected: None seen/Few					

Stool Parasitology

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Stool pH					7		6.8	6.9	7	7.1	7.2	7.3
Stool Color					Brown							
Stool Form					Hard pellets							
Stool Consistency					Pasty							
Undigested Food					Moderate amount							
Stool Mucus					Scant amount							
Occult Blood					Positive		Expected: Negative					
Reducing Substances					Negative		Expected: Negative					
Fat Globules					Negative		Expected: Negative					
Amoeba, Fresh Prep					Negative		Expected: Negative					
Ova & Parasites (O&P)					Negative		Expected: Negative					
Protozoa					Negative		Expected: Negative					
Blastocystis hominis					Negative		Expected: Negative					
Coccidia					Negative		Expected: Negative					
Nematodes					Negative		Expected: Negative					
Cestodes					Negative		Expected: Negative					
Trematodes					Negative		Expected: Negative					

Stool Culture & Gram Stain

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
Polymorphonuclear Cells	%				100 ↑		0	0	25	75	100	125
Mononuclear Cells	%				0 ↓		0	0	25	75	100	125
Stool Inflammatory Reaction					1 - 2							
Stool Gram-Negative Bacilli					++							
Stool Gram-Positive Bacilli					++							
Stool Gram-Negative Coccobacilli					+++							
Stool Gram-Positive Coccobacilli					++++							
Stool Gram-Positive Cocci					+							
Isolated Microorganisms					Escherichia coli							
Salmonella					Negative		Expected: Negative					
Shigella					Negative		Expected: Negative					
Vibrio cholerae					Negative		Expected: Negative					
Morganella morganii					Negative		Expected: Negative					
Klebsiella oxytoca					Negative		Expected: Negative					
Aeromonas					Negative		Expected: Negative					
Plesiomonas shigelloides					Negative		Expected: Negative					
Staphylococcus aureus					Negative		Expected: Negative					
Vibrio parahaemolyticus					Negative		Expected: Negative					
Yersinia enterocolitica					Negative		Expected: Negative					
Vibrio, genus					Negative		Expected: Negative					

IgG Allergens (14) Molds

Marker	Units	06/21 2023	04/22 2024	02/25 2026	08/21 2026	Trend	Alarm Min	Lab Min	Optimal Min	Optimal Max	Lab Max	Alarm Max
M001-IgG Penicillium chrysog	ug/mL		22.4 ↑				0	0	0	1.4	1.9	2.4
M002-IgG Cladosporium herbar	ug/mL		27.8 ↑				0	0	0	1.4	1.9	2.4
M003-IgG Aspergillus fumigat	ug/mL		33.6 ↑				0	0	0	1.4	1.9	2.4
M004-IgG Mucor racemosus	ug/mL		1.9 ↑				0	0	0	1.4	1.9	2.4
M005-IgG Candida albican	ug/mL		28.2 ↑				0	0	0	1.4	1.9	2.4
M006-IgG Alternaria alternat	ug/mL		2.2 ↑				0	0	0	1.4	1.9	2.4
M007-IgG Botrytis cinerea	ug/mL		33.4 ↑				0	0	0	1.4	1.9	2.4
M008-IgG Setomelanomma rosta	ug/mL		27.3 ↑				0	0	0	1.4	1.9	2.4
M009-IgG Fusarium proliferat	ug/mL		18.1 ↑				0	0	0	1.4	1.9	2.4
M010-IgG Stemphylium herbaru	ug/mL		27.4 ↑				0	0	0	1.4	1.9	2.4
M011-IgG Rhizopus nigricans	ug/mL		1.9 ↑				0	0	0	1.4	1.9	2.4
M012-IgG Aureobasidi pullula	ug/mL		1.9 ↑				0	0	0	1.4	1.9	2.4
M014-IgG Epicoccum purpur	ug/mL		1.9 ↑				0	0	0	1.4	1.9	2.4
M207-IgG Aspergillus niger	ug/mL		23.6 ↑				0	0	0	1.4	1.9	2.4

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