



CELLMATE™
WELLNESS
SYSTEMS

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ANNA

Test date: 9/27/2001
(accession: A9848911)
Entered: 9/28/2001

Next Test Due: 9/9/2003

CellMate™ Blood Test (CWP) Report

Practitioner

If there is a problem with this report, please contact us as soon as possible at: (775) 832-8485 or Fax (775) 832-8488

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Basic Status Report (Alphabetic)

ANNA

Blood Test (CWP) Date: 9/27/2001

Female / Age: 49

The % Status is the weighted deviation of the laboratory result relative to the range.

-100	-50	0	50	100	% Status	Result	Low	High	
						A/G Ratio			
					-21.79	1.47	1.10	2.40	
						Albumin			
					-5.00	4.40	3.50	5.50	
						Alkaline Phosphatase			
					-2.00	85.00	25.00	150.00	
						Anion Gap			
					60.00	H	21.20	8.00	20.00
						B.U.N.			
					26.19	H	21.00	5.00	26.00
						B.U.N./Creatinine Ratio			
					41.23	H	23.33	6.00	25.00
						Basophil Count			
					-50.00	L	0.00	0.00	200.00
						Basophils			
					-50.00	L	0.00	0.00	3.00
						Bilirubin, Total			
					-4.55	0.60	0.10	1.20	
						Calcium			
					-6.52	9.50	8.50	10.80	
						Calcium/Phosphorus Ratio			
					-42.50	L	2.38	2.30	3.30
						Chloride			
					11.54	104.00	96.00	109.00	
						Cholesterol			
					42.00	H	232.00	140.00	240.00
						CO2			
					-25.00	L	23.00	20.00	32.00
						Creatinine			
					-16.67	0.90	0.60	1.50	
						Eosinophil Count			
					32.00	H	460.00	50.00	550.00
						Eosinophils			
					116.67	H	10.00	0.00	6.00
						Free T4 Index (T7)			
					-38.75	L	4.90	4.00	12.00
						GGT			
					-21.67	17.00	0.00	60.00	
						Globulin			
					18.75	3.00	1.90	3.50	
						Glucose			
					-6.82	84.00	65.00	109.00	
						HDL-Cholesterol			
					12.00	66.00	35.00	85.00	
						Hematocrit			
					-5.71	41.20	35.00	49.00	
						Hemoglobin			
					-7.50	13.70	12.00	16.00	
						Iron, Total			
					-3.33	91.00	35.00	155.00	
						LDH			
					19.17	166.00	0.00	240.00	
						LDL			
					85.29	H	154.00	62.00	130.00
						Lymphocyte Count			
					-43.55	L	1058.00	800.00	4800.00
						Lymphocytes			
					-33.33	L	23.00	18.00	48.00
						MCH			
					23.70	31.42	27.00	33.00	
						MCHC			
					-18.69	33.25	32.00	36.00	
						MCV			
					23.79	94.50	79.00	100.00	
						Monocyte Count			
					-21.11	460.00	200.00	1100.00	
						Monocytes			
					26.92	H	10.00	0.00	13.00
						Neutrophil Count			
					-36.74	L	2622.00	1800.00	8000.00
						Neutrophils			
					-14.00	57.00	48.00	73.00	
						Phosphorus			
					25.00	H	4.00	2.50	4.50
						Potassium			
					-11.11	4.20	3.50	5.30	
						Protein, Total			
					6.00	7.40	6.00	8.50	
						Protein/Globulin Ratio			
					-13.33	2.47	2.10	3.10	
						R.B.C.			
					-21.25	4.36	3.90	5.50	
						sGOT			
					-7.50	17.00	0.00	40.00	
						sGPT			
					-15.00	14.00	0.00	40.00	
						Sodium			
					25.00	H	144.00	135.00	147.00
						T-3 Uptake			
					-2.00	31.20	24.00	39.00	
						Thyroxine (T4)			
					-32.50	L	5.40	4.00	12.00
						Triglycerides			
					-19.85	60.00	0.00	199.00	
						Ultra-Sensitive TSH			
					-19.90	1.90	0.35	5.50	
						Uric Acid			
					-8.62	4.80	2.40	8.20	
						W.B.C.			
					-40.77	L	4.60	4.00	10.50
						Total Status Deviation			
					25.12				
						Total Status Skew			
					-1.03				

Client Summary Review

ANNA

Female / Age: 49

Blood Test (CWP) Date: 9/27/2001

Nutritional Support

The following supplements may help to balance your biochemistry. Consult your practitioner.

- | | |
|---|--|
| <input type="checkbox"/> 1-Cardiovascular Health Protocol
See Nutrition Detail | <input type="checkbox"/> 1-Digestive Enzymes
With meals |
| <input type="checkbox"/> 1-Elevated Lipid Level Protocol
See Nutrition-Detail | <input type="checkbox"/> 1-Immune Stimulation Protocol
See Nutrition-Detail |
| <input type="checkbox"/> 1-Oral Electrolyte - Sports Formula
2x daily | <input type="checkbox"/> 2-Iodine
2x daily 75 mcg |
| <input type="checkbox"/> 2-Probiotics
1x daily 3 caps | <input type="checkbox"/> 2-Vitamin C
1x daily 1000 mg |
| <input type="checkbox"/> 3-Acetic Acid
2x daily 1 tsp. (in 8 oz distilled water) | <input type="checkbox"/> H - Garlic
1 - 3 times daily |
| <input type="checkbox"/> H - Ginseng (Panax)
1 - 3 times daily | <input type="checkbox"/> H - Green Tea
1 - 3 times daily (Can be used as a drink) |
| <input type="checkbox"/> H - Gugul
1 - 3 times daily | <input type="checkbox"/> H - Licorice
1 - 3 times daily |

Nutritional Supplements to AVOID

The following supplements may aggravate already out-of-balance biochemistry.

Phosphorus

Sodium

Food Recommendations

The following foods may help to balance or strengthen your biochemistry.

Apricots, Dried	Artichoke	Banana	Black Pepper
Blackberries	Blueberries	Bok Choy Cabbage	Boysenberries
Broccoli	Cantaloupe	Currant, Black	Eggplant
Elderberries	Escarole	Fava Beans	Grapefruit
Green Beans	Guava	Haddock	Halibut
Honeydew Melon	Kale	Kidney Beans	Loganberries
Onions	Orange	Oysters	Papaya
Plantains	Potatoes	Pumpkin	Red Peppers
Shad	Snapper	Strawberries	Watermelon
Wild Rice	Yams		

Foods to AVOID

The following foods may aggravate already out-of-balance biochemistry.

Anchovies	Bacon	Barbeque Sauce	Caviar
Chipped Beef	Coffee	Corned Beef	Dill Pickles
Fast Foods	Ham	Hydrogenated Fats	Liver
Liver Pate	Milk, Nonfat Dry	Pastrami	Poultry Giblets
Pumpkin Seeds	Rice Bran	Sauerkraut	Soy Sauce
Sunflower Seeds			

Out-Of-Balance Panel Values

The following panels have a PSD of greater than 25% indicating need for further review. PSD is the Panel Status Deviation, or the average imbalance of that subset of results. The PSS is the Panel Status Skew, or the direction, negative (deficiency) or positive (excess), of that subset of results.

Panel Name	PSD	PSS
Differential	48.18%	9.25%
Allergy	47.29%	17.65%
Adrenal Function	45.36%	40.91%
Differential Count	36.68%	-23.88%
Gastrointest. Function	34.08%	21.64%
Inflammatory Process	31.60%	16.38%
Lipid	26.52%	19.91%

Lab Reported out-of-range Values

The following results are out-of-range (as reported by the lab), and should be carefully reviewed.

Eosinophils (116.67%)

Eosinophils protect the body from parasites and allergic reactions, therefore, elevated levels may indicate an allergic response.

Drugs which may have an adverse affect:

Allopurinol, Ampicillin, Carbamazepine, Chlorpromazine, Clindamycin, Desipramine, Erythromycin, Fluorides, Fluphenazine, Haloperidol, Imipramine, Indomethacin, Kanamycin, Methyldopa, Naproxen, Nitrofurantoin, Penicillamine, Penicillin, Phenylbutazone, Phenytoin, Procainamide, Protriptyline, Rifampin, Streptomycin, Sulfamethoxazole, Sulfasalazine, Sulfisoxazole, Tetracycline, Triameterene, Viomycin

LDL (85.29%)

LDL is the cholesterol rich remnants of the lipid transport vehicle VLDL (very-low density lipoproteins). There have been many studies showing correlations between high levels of LDL and arterial atherosclerosis. Due to the expense of direct LDL measurement, a calculation known as the Friedewald formula is used (Total Cholesterol - HDL Cholesterol - Triglycerides/5). When Triglyceride levels are greater than 400, this method is not accurate. Increased levels are seen in high cholesterol diets, nephrotic syndromes, multiple myeloma, hepatic obstruction or disease, anorexia nervosa, diabetes, chronic renal failure, and premature coronary heart disease.

Anion Gap (60.00%)

The anion gap is used to measure the concentration of cations (sodium and potassium) and the anions (chloride and CO₂) in the extracellular fluid of the blood. Numerous clinical implications can be gathered from the Anion Gap. An increased measurement is associated with metabolic acidosis due to the overproduction of acids or severe dehydration.

Basophil Count (-50.00%)

Basophil cells are a type of white blood cell linked to allergic reactions. Low readings are common and are not considered to be clinically significant.

Basophils (-50.00%)

Basophil cells are a type of white blood cell linked to allergic reactions. Low readings are common and are not considered to be clinically significant.

Drugs which may have an adverse affect:

Procainamide

ANNA

Female / Age: 49

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1-Cardiovascular Health Protocol See Nutrition Detail

CARDIOVASCULAR RISK PROTOCOL

Decreased

Rationale

Normal

Increased

CARBOHYDRATE METABOLISM PROFILE

HDL-Cholesterol

LDL

When Triglycerides are elevated it suggests a potential for impaired carbohydrate metabolism and a greater risk of developing cardiovascular disease. This pattern indicates suboptimal operation of carbohydrate metabolism, interfering with efficient cellular energy production. Various pathways being over- or under- utilized can be nutritionally supported with digestive enzymes, B-Complex, Lipoic acid, and CoEnzyme Q10 supplementation. Recommended nutrients include:

Uric Acid

Cholesterol

B-Complex (2x daily)

Lipoic Acid (2x daily)

CoEnzyme Q10 (2x 50 mg daily)

Digestive Enzymes (1-2 with each meal)

Wallace, DC, Mitochondrial genetics: a paradigm for aging and degenerative diseases?, Science, 256:628-632 (1992).

Corral-Debrinski, Shffner JM, Lott MY, Wallace DC, Association of mitochondrial DNA damage with aging and coronary arteriosclerotic heart disease. Mutat Res, 275:169-180 (1992).

1-Digestive Enzymes With meals

DIGESTIVE ENZYMES

Decreased

Normal

Increased

Digestive enzymes are helpful in situations where there are signs of allergy, nutrient depletion, improper fat, protein or carbohydrate metabolism.

Triglycerides

LDL

Cholesterol

1-Elevated Lipid Level Protocol See Nutrition-Detail

HIGH LIPID LEVEL PROTOCOL

Decreased

Normal

Increased

With abnormal lipid markers, the following protocol is recommended:

Broad Spectrum Fatty Acid Supplement (1-2 times daily), Oral

Electrolyte-Standard Formula (1-3 times daily), balanced and a

B-complex vitamin (2 times daily)..

BROAD SPECTRUM FATTY ACID

HDL-Cholesterol

LDL

Cholesterol

Broad spectrum fatty acids, high in Omega-3, -6 and -9 have been shown to improve lipid balance.

ORAL ELECTROLYTE

Necessary to regulate fatty acid metabolism.

B-COMPLEX VITAMINS

B complex vitamins are involved in a broad spectrum of cell metabolic deficiencies as well as fatty acid utilization.

1-Immune Stimulation Protocol See Nutrition-Detail

IMMUNE MARKER PROTOCOL

Decreased

Normal

Increased

When abnormal immune markers appear, the following protocol may be helpful

BROAD SPECTRUM FATTY ACID

(1-3 times daily)

Broad spectrum fatty acids, high in Omega-3, -6 and -9 have shown a potential ability to improve immune function.

TRACE MINERALS

(1 time daily)

Trace minerals are critical in almost all enzymatic reactions. A proper balance is crucial in the proper utilization of vitamins, fats and carbohydrates.

PROBIOTICS

(2 times daily)

Probiotic strains address dysbiosis in the gastrointestinal tract.

W.B.C.

Neutrophil Count

Iron, Total

ANNA

Female / Age: 49

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1-Oral Electrolyte - Sports Formula 2x daily

ORAL ELECTROLYTE

The main electrolytes in the human body are sodium, potassium, phosphorus, calcium, chloride, magnesium and bicarbonate. During illness, the equilibrium present in healthy individuals, is disturbed. A well balanced formula is helpful in restoring a state of equilibrium. A sports formula will have greater levels of bicarbonate yet still keeping the proportion of the other salts in line.

Decreased
CO2

Rationale
Normal

Increased

2-Iodine 2x daily 75 mcg

IODINE (I)

Iodine is an essential component of the thyroid hormones. Thyroxine, a main component of thyroid function, contains four iodine atoms.

Decreased
Thyroxine (T4)

Normal
T-3 Uptake

Increased

2-Probiotics 1x daily 3 caps

PROBIOTICS

Probiotic strains address dysbiosis in the gastrointestinal tract.

Decreased
W.B.C.

Normal

Increased
Monocytes

2-Vitamin C 1x daily 1000 mg

VITAMIN C

Water-soluble vitamin essential for the synthesis and maintenance of collagen as well as body tissue cells, cartilage, bones, teeth, skin and tendons. Increases protection mechanism of the immune system. Also improves iron and calcium absorption as well as trace mineral utilization.

Decreased
W.B.C.

Normal
Alkaline Phosphatase
Triglycerides
LDH

Increased
LDL

3-Acetic Acid 2x daily 1 tsp. in 8 oz distilled water

ACETIC ACID - Vinegar

Acetic acid has been shown to lower sodium levels in part by combining with the sodium ion and creating sodium acetate which is removed by the kidneys.

Decreased

Normal

Increased
Sodium

H - Garlic 1 - 3 times daily

GARLIC

Garlic's use has been reported to be beneficial in lowering blood lipid (fat) levels. May cause unwanted bodily odors. As with any herb, caution should be taken with its use.

Decreased

Normal

Increased
Cholesterol
LDL

H - Ginseng (Panax) 1 - 3 times daily

GINSENG

Also known as Korean Ginseng (Panax ginseng), this herb has shown benefits to those suffering from fatigue, stress, compromised immune systems and diabetes. As with any herb, caution should be taken with its use. Women who experience breast tenderness should discontinue its use.

Decreased
Lymphocytes
Lymphocyte Count

Normal

Increased

H - Green Tea 1 - 3 times daily Can be used as a drink

GREEN TEA

Green tea has been extensively reported to be very beneficial in the prevention of many forms of cancer as well as an potent antioxidant. Caution should be used when consuming green tea as it may contain caffeine. As with any herb, caution should be taken with its use.

Decreased

Normal

Increased
Cholesterol
Anion Gap

ANNA

Female / Age: 49

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H - Gugul 1 - 3 times daily

GUGUL

Gugulipid (Commiphora mukul), is a resin derived from the mukul myrrh tree with both triglyceride and cholesterol lowering properties. It has also been reported to be beneficial in the treatment of inflammatory conditions. As with any herb caution should be taken with its use.

Decreased

Rationale

Normal

Triglycerides

Increased

LDL

Cholesterol

H - Licorice 1 - 3 times daily

LICORICE

The herb licorice (Glycyrrhiza glabra) has been shown to be beneficial in cases of viral infection (AIDS, viral hepatitis and the common cold). As with any herb, caution should be taken with its use. Licorice should be avoided in patients with low potassium, hypertension, renal failure or using digitalis.

Decreased

W.B.C.

Lymphocytes

Normal

Potassium

Increased

AVOID THE FOLLOWING SUPPLEMENTS

AVOID Phosphorus

PHOSPHORUS (P)

Decreased

Normal

Increased

Phosphorus

AVOID Sodium

SODIUM (Na)

Sodium is the major extracellular fluid cation. It is responsible for and helps determine the volume of extracellular fluid as it is responsible for almost one-half of plasma osmolarity. Sodium facilitates impulse transmission in nerve and muscle fibers by its involvement in the sodium-potassium pump.

Decreased

Normal

Increased

Sodium

Drug Interactions

ANNA

Blood Test (CWP) Date: 9/27/2001

Female / Age: 49

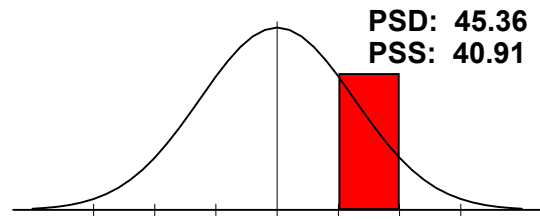
Drugs listed below tend to further aggravate elements of blood chemistry that are out of range (H or L). The (#) after each drug denotes the number of times that drug is flagged as being potentially harmful.

Acetaminophen	Acetazolamide(2)	Acyclovir	Allopurinol(3)
Amantadine(2)	Amitriptyline	Amoxicillin	Ampicillin(3)
Aspirin(4)	Busulfan(2)	Carbamazepine(5)	Chlorpromazine(4)
Clindamycin(2)	Clofibrate(2)	Codeine	Cortisone(2)
Desipramine(2)	Diazepam(2)	Dilantin	Epinephrine
Erythromycin(2)	Fluorides(3)	Fluphenazine(2)	Furosemide(3)
Gentamicin	Griseofulvin(3)	Guanethidine(2)	Haloperidol(3)
Hydrocortisone(2)	Hydroxyurea(2)	Ibuprofen(4)	Imipramine(4)
Indomethacin(3)	Itraconazole	Kanamycin(3)	Levodopa(2)
Lincomycin	Lithium(3)	MAO Inhibitors	Mercaptopurine
Methimazole(2)	Methotrexate(2)	Methyldopa(4)	Miconazole(2)
Morphine	Naproxen	Neomycin(2)	Nifedipine(2)
Nitrofurantoin(3)	Paramethadione(3)	Paromomycin	Penicillamine(4)
Penicillin(2)	Phenelzine(2)	Phenobarbital(2)	Phenylbutazone(5)
Phenytoin(3)	Piroxicam(2)	Polythiazide(2)	Prednisone(6)
Procainamide(3)	Procarbazine	Progesterone	Progestins
Propranolol(2)	Protriptyline(2)	Ramipril	Reserpine
Rifampin(4)	Salicylates(2)	Spectinomycin	Streptokinase
Streptomycin(3)	Sulfamethizole	Sulfamethoxazole(2)	Sulfasalazine(2)
Sulfisoxazole(2)	Tamoxifen(2)	Tetracycline(6)	Triameterene(3)
Trimethadione(4)	Valproic Acid(2)	Vancomycin(2)	Vasopressin
Viomycin(2)			

Adrenal Function

Cholesterol[H], Eosinophils[H], Eosinophil Count[H], Potassium, Sodium[H].

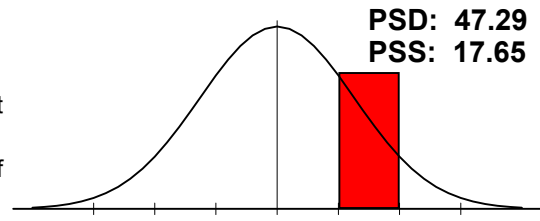
This panel is used to assess the individual's response to potential allergens. Abnormalities in this panel may indicate the need for additional allergy testing. The deviation was bel



Allergy

Eosinophils[H], Globulin, Lymphocytes[L], Monocytes[H], W.B.C.[L].

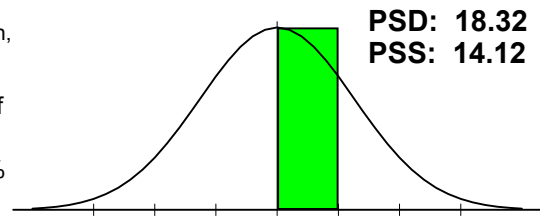
This panel profile may be due to allergies or a compromised immune system. Review the Differential and the Differential Count Panels for additional information. If Eosinophils are up and the CO2 is normal or depressed the likelihood of allergies is higher. If the Eosinophils and the CO2 are elevated than suspect parasites.



Anti Oxidant Status

Anion Gap[H], Bilirubin, Total, Chloride, Cholesterol[H], Glucose, Iron, Total.

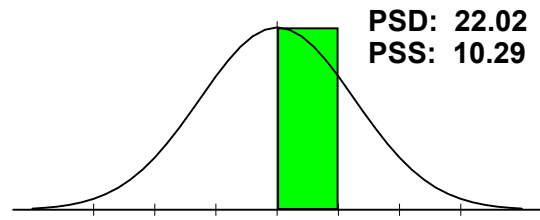
The elements in this panel help represent the antioxidant status of the individual. Excesses of deficiencies in this panel may indicate the need for additional antioxidants. The deviation was below 25% so no abnormalities were found.



Athletic Potential

B.U.N./Creatinine Ratio[H], Cholesterol[H], CO2[L], Creatinine, LDH, Potassium, Protein, Total, Sodium[H], HDL-Cholesterol.

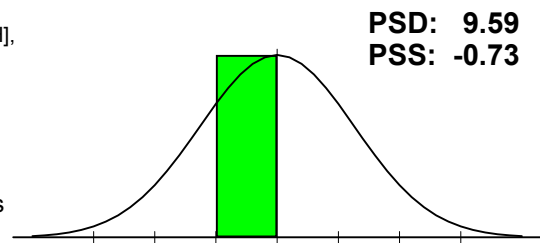
This panel is used to help assess athletic potential. Keeping this panel in a normal range may be helpful in improving athletic performance and reducing the risk of injury. The deviation was below 25% so no abnormalities were found.



Bone/Joint

Albumin, Alkaline Phosphatase, Calcium, Neutrophils, Phosphorus[H], Protein, Total, Uric Acid.

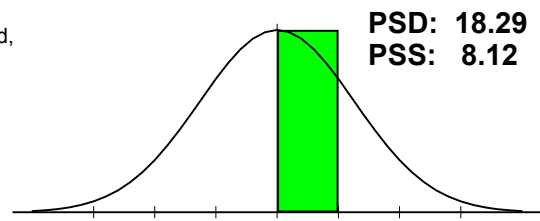
This panel may be helpful in assessing bone and joint health. Keeping the elements of this panel in a normal range may be helpful in reducing the risk of osteoporosis and other bone and joint disorders. The deviation was below 25% so no abnormalities were found.



Cardiac Marker

Cholesterol[H], GGT, Iron, Total, LDH, sGOT, Triglycerides, Uric Acid, HDL-Cholesterol, LDL[H].

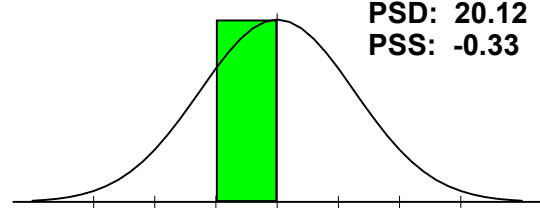
This panel may be helpful in assessing cardiovascular disease risk. Keeping the elements in this panel in a normal range is important in reducing the risk of CVD. The deviation was below 25% so no abnormalities were found.



Cellular Distortions

Alkaline Phosphatase, Anion Gap[H], GGT, Iron, Total, LDH, Neutrophils, W.B.C.[L].

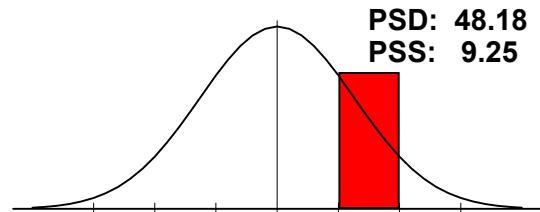
This panel may be helpful in determining the ability of the body to properly produce healthy cells. The deviation was below 25% so no abnormalities were found.



Differential

Basophils[L], Eosinophils[H], Lymphocytes[L], Monocytes[H], Neutrophils.

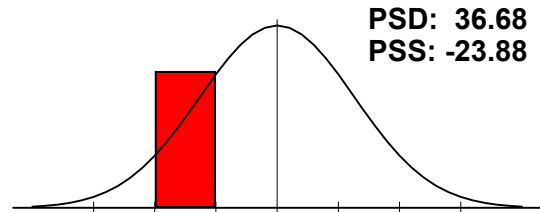
This panel profile may be indicative of a heightened immune system response. A careful review of the individual components of this panel is recommended.



Differential Count

Basophil Count[L], Eosinophil Count[H], Lymphocyte Count[L], Monocyte Count, Neutrophil Count[L].

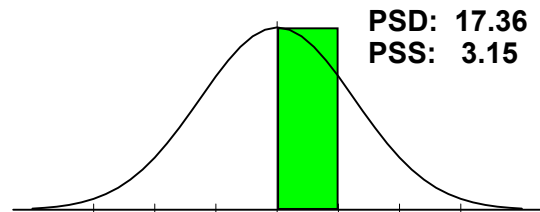
The negative Panel Status Skew may be due to the immune system being at rest if the Differential Panels Deviation is less than 25%, if it is higher than 25% than suspect a weakened or compromised immune system.



Electrolyte

Calcium, Chloride, CO2[L], Phosphorus[H], Potassium, Sodium[H].

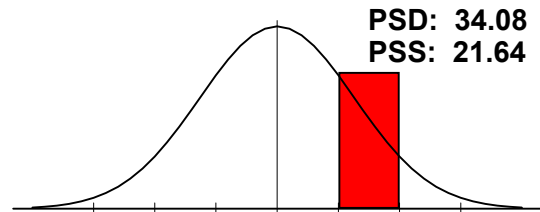
This panel is a representation of electrolyte balance in blood. Balance is critical in maintaining and achieving optimal health. The deviation was below 25% so no abnormalities were found.



Gastrointest. Function

Anion Gap[H], Chloride, Cholesterol[H], CO2[L], Monocytes[H], Potassium, Sodium[H], Triglycerides, LDL[H].

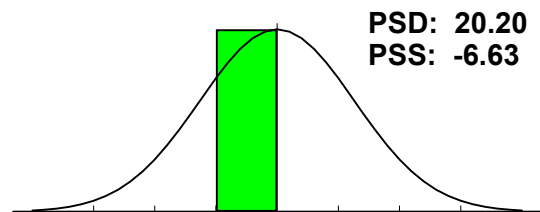
This panel profile indicates the need for further evaluation of gastrointestinal integrity, digestion and absorption. Check for dysbiosis, food allergies or "leaky gut" syndrome.



Hematology

Hematocrit, Hemoglobin, MCH, MCHC, MCV, R.B.C., W.B.C.[L].

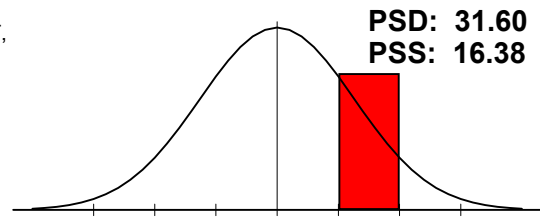
The hematology panel assesses the production of red blood cells and their function. The deviation was below 25% so no abnormalities were found.



Inflammatory Process

Eosinophils[H], Globulin, LDH, Neutrophils, Potassium, sGOT, sGPT, Triglycerides, Uric Acid, LDL[H].

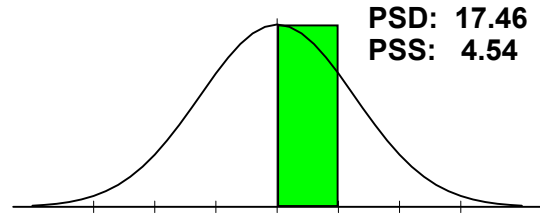
This panel profile may indicate the presence of an ongoing inflammatory process. Consider increasing B-complex vitamins and having the patient avoid saturated and trans fats as well.



Kidney Function

Albumin, B.U.N.[H], B.U.N./Creatinine Ratio[H], Chloride, CO2[L], Creatinine, Glucose, Potassium, Protein, Total, Sodium[H].

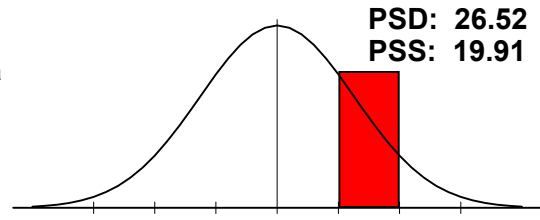
This panel may be helpful in assessing kidney function. It is important to keep the elements of this subset in balance to help the body eliminate waste material. The deviation was below 25% so no abnormalities were found.



Lipid

Cholesterol[H], Triglycerides, HDL-Cholesterol, LDL[H].

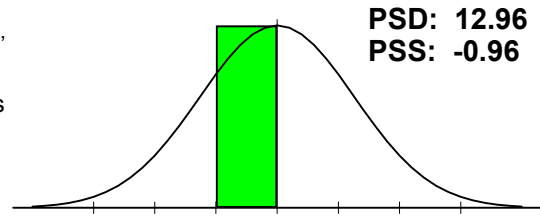
The panel profile seen here suggests that the patient may be at a greater risk for coronary heart disease than the general population. A dietary evaluation should be undertaken as well to educate the patient about saturated and trans fats.



Liver Function

Albumin, Alkaline Phosphatase, Bilirubin, Total, Cholesterol[H], GGT, Protein, Total, sGOT, sGPT.

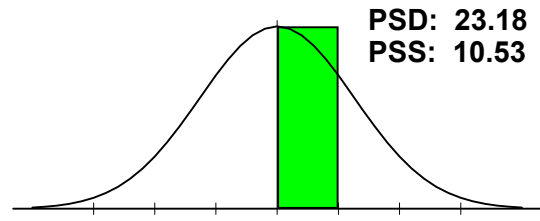
Assessing liver function is important in determining the individual's ability to detoxify itself as well as processing amino acids and other important biological processes. The deviation was below 25% so no abnormalities were found.



Nitrogen

B.U.N.[H], B.U.N./Creatinine Ratio[H], Creatinine, Uric Acid.

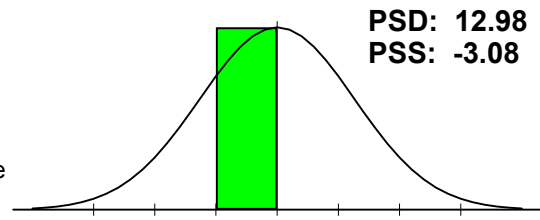
Nitrogen is an important element in achieving optimal wellness. The elements in this panel are important in determining nitrogen competency. The deviation was below 25% so no abnormalities were found.



Protein

A/G Ratio, Albumin, Globulin, Protein, Total, Protein/Globulin Ratio.

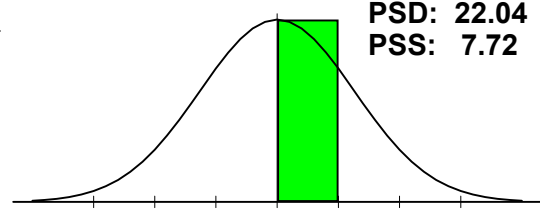
Proteins are the basic building blocks of hormones, muscle, neurotransmitters, immune systems responses and more. Assessing their competency is crucial in achieving optimal wellness. The deviation was below 25% so no abnormalities were found.



Pulmonary Function

Anion Gap[H], Calcium, CO2[L], LDH, Potassium, sGOT, Sodium[H].

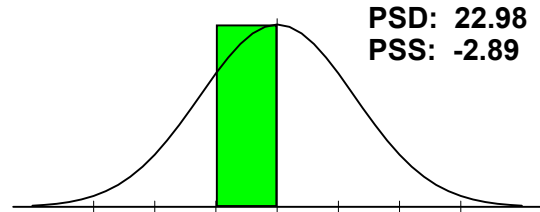
This panel may be helpful in assessing lung and respiratory function. The deviation was below 25% so no abnormalities were found.



Ratios

A/G Ratio, B.U.N./Creatinine Ratio[H], Calcium/Phosphorus Ratio[L], Sodium/Potassium Ratio, Protein/Globulin Ratio.

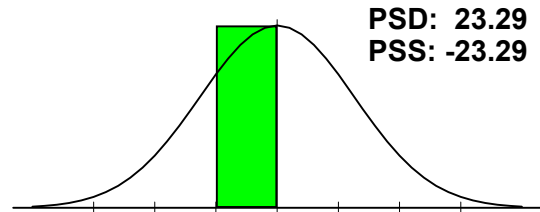
This panel may be helpful in determining the general balance of the overall chemistry of the individual. The deviation was below 25% so no abnormalities were found.



Thyroid

Thyroxine (T4)[L], T-3 Uptake, Free T4 Index (T7)[L], Ultra-Sensitive TSH.

This panel may be helpful in determining the overall health of the thyroid gland. The deviation was below 25% so no abnormalities were found.



Clinical Correlation

ANNA

Blood Test (CWP) Date: 9/27/2001

Female / Age: 49

This report "MATCHES" clinical observations with the lab test. Elements shown, normal and abnormal, tend to characterize the observation. Highlighted elements are those reported to "MATCH" the characteristics of the clinical observation. Others are NOT matches but are elements in the observation.

No disease pattern matches > 66.0%

Comparison Progress Report

ANNA

Female / Age: 49

Blood Test (CWP) Date: 9/27/2001

A "+" change is toward optimal % Status of zero. A "-" change is away from optimal % Status of zero.

	Status % on:	6/7/2000	9/27/2001	+/- change
B.U.N./Creatinine Ratio		-5.56	41.23 H	- 35.67
Basophils		-16.67	-50.00 L	- 33.33
Eosinophils		83.33 H	116.67 H	- 33.33
Thyroxine (T4)		-2.50	-32.50 L	- 30.00
Eosinophil Count		4.00	32.00 H	- 28.00
Uric Acid		-39.58 L	-8.62	+ 30.96

Comparison Report

ANNA

Blood Test (CWP) Date: 9/27/2001

Female / Age: 49

The arrow's length is proportional to change. Left to right is increase. Right to left is decrease.
Green is improvement. Red is decline.

	+/-		Status	% on:	6/7/2000	9/27/2001
		A/G Ratio			-16.67	-21.79
		Albumin			5.00	-5.00
-18.18 -2.00		+ Alkaline Phosphatase			-18.18	-2.00
-46.67 60.00		- Anion Gap			-46.67 L	60.00 H
-11.90 26.19		- B.U.N.			-11.90	26.19 H
-5.56 41.23		- B.U.N./Creatinine Ratio			-5.56	41.23 H
-50.00 -30.00		- Basophil Count			-30.00 L	-50.00 L
-50.00 -16.67		- Basophils			-16.67	-50.00 L
		Bilirubin, Total			4.55	-4.55
		Calcium			-6.52	-6.52
		Calcium/Phosphorus Ratio			-36.41 L	-42.50 L
11.54 26.92		+ Chloride			26.92 H	11.54
27.00 42.00		- Cholesterol			27.00 H	42.00 H
		CO2			25.00 H	-25.00 L
		Creatinine			-16.67	-16.67
4.00 32.00		- Eosinophil Count			4.00	32.00 H
83.33 116.67		- Eosinophils			83.33 H	116.67 H
-38.75 -16.25		- Free T4 Index (T7)			-16.25	-38.75 L
		GGT			-28.57 L	-21.67
		Globulin			18.75	18.75
		Glucose			0.91	-6.82
		HDL-Cholesterol			-19.47	12.00
		Hematocrit			-5.71	-5.71
-15.00 -7.50		+ Hemoglobin			-15.00	-7.50
-24.17 -3.33		+ Iron, Total			-24.17	-3.33
		LDH			15.00	19.17
64.71 85.29		- LDL			64.71 H	85.29 H
		Lymphocyte Count			-44.00 L	-43.55 L
-33.33 -23.33		- Lymphocytes			-23.33	-33.33 L
		MCH			26.73 H	23.70
-36.89 -18.69		+ MCHC			-36.89 L	-18.69
23.79 36.52		+ MCV			36.52 H	23.79
-32.22 -21.11		+ Monocyte Count			-32.22 L	-21.11
19.23 26.92		- Monocytes			19.23	26.92 H
		Neutrophil Count			-42.90 L	-36.74 L
		Neutrophils			-18.00	-14.00
		Phosphorus			20.00	25.00 H
-11.11 0.00		- Potassium			0.00	-11.11
6.00 14.00		+ Protein, Total			14.00	6.00
		Protein/Globulin Ratio			-6.67	-13.33
-28.75 -21.25		+ R.B.C.			-28.75 L	-21.25
-16.67 -7.50		+ sGOT			-16.67	-7.50
-34.00 -15.00		+ sGPT			-34.00 L	-15.00
-16.67 25.00		- Sodium			-16.67	25.00 H
-3.41 19.05		- Sodium/Potassium Ratio			-3.41	19.05
-11.33 -2.00		+ T-3 Uptake			-11.33	-2.00
-32.50 -2.50		- Thyroxine (T4)			-2.50	-32.50 L
		Triglycerides			-17.34	-19.85
-19.90 -5.92		- Ultra-Sensitive TSH			-5.92	-19.90
-39.58 -8.62		+ Uric Acid			-39.58 L	-8.62
-50.00 -40.77		+ W.B.C.			-50.00 L	-40.77 L
		Total Status Deviation			22.28	25.12
		Total Status Skew			-6.92	-1.03

Panel/Subset Comparison Report

ANNA

Blood Test (CWP) Date: 9/27/2001

Female / Age: 49

Adrenal Function	6/7/2000		9/27/2001		+/-	
Cholesterol	27.00	H	42.00	H	-	27.00 42.00
Eosinophils	83.33	H	116.67	H	-	83.33 116.67
Eosinophil Count	4.00		32.00	H	-	4.00 32.00
Potassium	0.00		-11.11		-	-11.11 0.00
Sodium	-16.67		25.00	H	-	-16.67 25.00
PSS / PSD	19.53 / 26.20		40.91 / 45.36			

Allergy	6/7/2000		9/27/2001		+/-	
Eosinophils	83.33	H	116.67	H	-	83.33 116.67
Globulin	18.75		18.75			
Lymphocytes	-23.33		-33.33	L	-	-33.33 -23.33
Monocytes	19.23		26.92	H	-	19.23 26.92
W.B.C.	-50.00	L	-40.77	L	+	-50.00 -40.77
PSS / PSD	9.60 / 38.93		17.65 / 47.29			

Anti Oxidant Status	6/7/2000		9/27/2001		+/-	
Anion Gap	-46.67	L	60.00	H	-	-46.67 60.00
Bilirubin, Total	4.55		-4.55			
Chloride	26.92	H	11.54		+	11.54 26.92
Cholesterol	27.00	H	42.00	H	-	27.00 42.00
Glucose	0.91		-6.82			
Iron, Total	-24.17		-3.33		+	-24.17 -3.33
PSS / PSD	-1.64 / 18.60		14.12 / 18.32			

Athletic Potential	6/7/2000		9/27/2001		+/-	
B.U.N./Creatinine Ratio	-5.56		41.23	H	-	-5.56 41.23
Cholesterol	27.00	H	42.00	H	-	27.00 42.00
CO2	25.00	H	-25.00	L		
Creatinine	-16.67		-16.67			
LDH	15.00		19.17			
Potassium	0.00		-11.11		-	-11.11 0.00
Protein, Total	14.00		6.00		+	6.00 14.00
Sodium	-16.67		25.00	H	-	-16.67 25.00
HDL-Cholesterol	-19.47		12.00			
PSS / PSD	2.52 / 15.48		10.29 / 22.02			

Bone/Joint	6/7/2000		9/27/2001		+/-	
Albumin	5.00		-5.00			
Alkaline Phosphatase	-18.18		-2.00		+	-18.18 -2.00
Calcium	-6.52		-6.52			
Neutrophils	-18.00		-14.00			
Phosphorus	20.00		25.00	H		
Protein, Total	14.00		6.00		+	6.00 14.00
Uric Acid	-39.58	L	-8.62		+	-39.58 -8.62
PSS / PSD	-6.18 / 17.33		-0.73 / 9.59			

Panel/Subset Comparison Report

ANNA

Blood Test (CWP) Date: 9/27/2001

Female / Age: 49

Cardiac Marker	6/7/2000	9/27/2001	+/-		
Cholesterol	27.00 H	42.00 H	-	27.00	→ 42.00
GGT	-28.57 L	-21.67			
Iron, Total	-24.17	-3.33	+	-24.17	→ -3.33
LDH	15.00	19.17			
sGOT	-16.67	-7.50	+	-16.67	→ -7.50
Triglycerides	-17.34	-19.85			
Uric Acid	-39.58 L	-8.62	+	-39.58	→ -8.62
HDL-Cholesterol	-19.47	12.00			
LDL	64.71 H	85.29 H	-	64.71	→ 85.29
PSS / PSD	-3.26 / 21.04	8.12 / 18.29			

Cellular Distortions	6/7/2000	9/27/2001	+/-		
Alkaline Phosphatase	-18.18	-2.00	+	-18.18	→ -2.00
Anion Gap	-46.67 L	60.00 H	-	-46.67	→ 60.00
GGT	-28.57 L	-21.67			
Iron, Total	-24.17	-3.33	+	-24.17	→ -3.33
LDH	15.00	19.17			
Neutrophils	-18.00	-14.00			
W.B.C.	-50.00 L	-40.77 L	+	-50.00	→ -40.77
PSS / PSD	-21.32 / 25.07	-0.33 / 20.12			

Differential	6/7/2000	9/27/2001	+/-		
Basophils	-16.67	-50.00 L	-	-50.00	← -16.67
Eosinophils	83.33 H	116.67 H	-	83.33	→ 116.67
Lymphocytes	-23.33	-33.33 L	-	-33.33	← -23.33
Monocytes	19.23	26.92 H	-	19.23	→ 26.92
Neutrophils	-18.00	-14.00			
PSS / PSD	8.91 / 32.11	9.25 / 48.18			

Differential Count	6/7/2000	9/27/2001	+/-		
Basophil Count	-30.00 L	-50.00 L	-	-50.00	← -30.00
Eosinophil Count	4.00	32.00 H	-	4.00	→ 32.00
Lymphocyte Count	-44.00 L	-43.55 L			
Monocyte Count	-32.22 L	-21.11	+	-32.22	→ -21.11
Neutrophil Count	-42.90 L	-36.74 L			
PSS / PSD	-29.03 / 30.63	-23.88 / 36.68			

Electrolyte	6/7/2000	9/27/2001	+/-		
Calcium	-6.52	-6.52			
Chloride	26.92 H	11.54	+	11.54	← 26.92
CO2	25.00 H	-25.00 L			
Phosphorus	20.00	25.00 H			
Potassium	0.00	-11.11	-	-11.11	← 0.00
Sodium	-16.67	25.00 H	-	-16.67	→ 25.00
PSS / PSD	8.12 / 15.85	3.15 / 17.36			

Panel/Subset Comparison Report

ANNA

Blood Test (CWP) Date: 9/27/2001

Female / Age: 49

Gastrointest. Function	6/7/2000	9/27/2001	+/-	
Anion Gap	-46.67 L	60.00 H	-	-46.67 60.00
Chloride	26.92 H	11.54	+	11.54 26.92
Cholesterol	27.00 H	42.00 H	-	27.00 42.00
CO2	25.00 H	-25.00 L		
Monocytes	19.23	26.92 H	-	19.23 26.92
Potassium	0.00	-11.11	-	-11.11 0.00
Sodium	-16.67	25.00 H	-	-16.67 25.00
Triglycerides	-17.34	-19.85		
LDL	64.71 H	85.29 H	-	64.71 85.29
PSS / PSD	9.13 / 27.06	21.64 / 34.08		

Hematology	6/7/2000	9/27/2001	+/-	
Hematocrit	-5.71	-5.71		
Hemoglobin	-15.00	-7.50	+	-15.00 -7.50
MCH	26.73 H	23.70		
MCHC	-36.89 L	-18.69	+	-36.89 -18.69
MCV	36.52 H	23.79	+	23.79 36.52
R.B.C.	-28.75 L	-21.25	+	-28.75 -21.25
W.B.C.	-50.00 L	-40.77 L	+	-50.00 -40.77
PSS / PSD	-10.44 / 28.52	-6.63 / 20.20		

Inflammatory Process	6/7/2000	9/27/2001	+/-	
Eosinophils	83.33 H	116.67 H	-	83.33 116.67
Globulin	18.75	18.75		
LDH	15.00	19.17		
Neutrophils	-18.00	-14.00		
Potassium	0.00	-11.11	-	-11.11 0.00
sGOT	-16.67	-7.50	+	-16.67 -7.50
sGPT	-34.00 L	-15.00	+	-34.00 -15.00
Triglycerides	-17.34	-19.85		
Uric Acid	-39.58 L	-8.62	+	-39.58 -8.62
LDL	64.71 H	85.29 H	-	64.71 85.29
PSS / PSD	5.62 / 30.74	16.38 / 31.60		

Kidney Function	6/7/2000	9/27/2001	+/-	
Albumin	5.00	-5.00		
B.U.N.	-11.90	26.19 H	-	-11.90 26.19
B.U.N./Creatinine Ratio	-5.56	41.23 H	-	-5.56 41.23
Chloride	26.92 H	11.54	+	11.54 26.92
CO2	25.00 H	-25.00 L		
Creatinine	-16.67	-16.67		
Glucose	0.91	-6.82		
Potassium	0.00	-11.11	-	-11.11 0.00
Protein, Total	14.00	6.00	+	6.00 14.00
Sodium	-16.67	25.00 H	-	-16.67 25.00
PSS / PSD	2.10 / 12.26	4.54 / 17.46		

Panel/Subset Comparison Report

ANNA

Blood Test (CWP) Date: 9/27/2001

Female / Age: 49

Lipid	6/7/2000	9/27/2001	+/-	
Cholesterol	27.00 H	42.00 H	-	27.00 42.00
Triglycerides	-17.34	-19.85		
HDL-Cholesterol	-19.47	12.00		
LDL	64.71 H	85.29 H	-	64.71 85.29
PSS / PSD	9.15 / 21.42	19.91 / 26.52		

Liver Function	6/7/2000	9/27/2001	+/-	
Albumin	5.00	-5.00		
Alkaline Phosphatase	-18.18	-2.00	+	-18.18 -2.00
Bilirubin, Total	4.55	-4.55		
Cholesterol	27.00 H	42.00 H	-	27.00 42.00
GGT	-28.57 L	-21.67		
Protein, Total	14.00	6.00	+	6.00 14.00
sGOT	-16.67	-7.50	+	-16.67 -7.50
sGPT	-34.00 L	-15.00	+	-34.00 -15.00
PSS / PSD	-5.86 / 18.50	-0.96 / 12.96		

Nitrogen	6/7/2000	9/27/2001	+/-	
B.U.N.	-11.90	26.19 H	-	-11.90 26.19
B.U.N./Creatinine Ratio	-5.56	41.23 H	-	-5.56 41.23
Creatinine	-16.67	-16.67		
Uric Acid	-39.58 L	-8.62	+	-39.58 -8.62
PSS / PSD	-18.43 / 18.43	10.53 / 23.18		

Protein	6/7/2000	9/27/2001	+/-	
A/G Ratio	-16.67	-21.79		
Albumin	5.00	-5.00		
Globulin	18.75	18.75		
Protein, Total	14.00	6.00	+	6.00 14.00
Protein/Globulin Ratio	-6.67	-13.33		
PSS / PSD	2.88 / 12.22	-3.08 / 12.98		

Pulmonary Function	6/7/2000	9/27/2001	+/-	
Anion Gap	-46.67 L	60.00 H	-	-46.67 60.00
Calcium	-6.52	-6.52		
CO2	25.00 H	-25.00 L		
LDH	15.00	19.17		
Potassium	0.00	-11.11	-	-11.11 0.00
sGOT	-16.67	-7.50	+	-16.67 -7.50
Sodium	-16.67	25.00 H	-	-16.67 25.00
PSS / PSD	-6.65 / 18.07	7.72 / 22.04		

Ratios	6/7/2000	9/27/2001	+/-	
A/G Ratio	-16.67	-21.79		
B.U.N./Creatinine Ratio	-5.56	41.23 H	-	-5.56 41.23
Calcium/Phosphorus Ratio	-36.41 L	-42.50 L		
Sodium/Potassium Ratio	-3.41	19.05	-	-3.41 19.05
Protein/Globulin Ratio	-6.67	-13.33		
PSS / PSD	-11.45 / 11.45	-2.89 / 22.98		

Panel/Subset Comparison Report

ANNA

Blood Test (CWP) Date: 9/27/2001

Female / Age: 49

Thyroid	6/7/2000	9/27/2001	+/-		
Thyroxine (T4)	-2.50	-32.50	L	-	-32.50 ← -2.50
T-3 Uptake	-11.33	-2.00	+	+	-11.33 → -2.00
Free T4 Index (T7)	-16.25	-38.75	L	-	-38.75 ← -16.25
Ultra-Sensitive TSH	-5.92	-19.90	-	-	-19.90 ← -5.92
PSS / PSD	-9.00 / 9.00	-23.29 / 23.29			