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#### **ANNA**

Test date: 6/7/2000 (accession: A8073602) Entered: 6/9/2000

Next Test Due: 9/9/2003

# CellMate™ Blood Test (CWP) Report Practitioner

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# **Basic Status Report (High/Low)**

Blood Test (CWP) Date: 6/7/2000

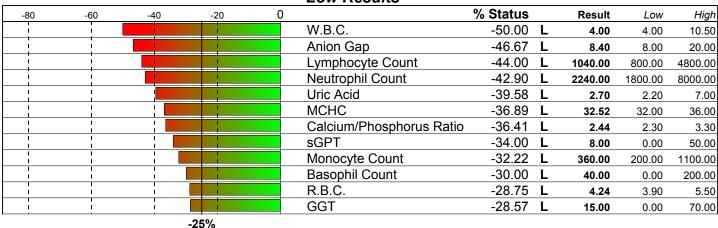
# ANNA

Female / Age: 48

Client ID:555986644 (8322)

The % Status is the weighted deviation of the laboratory result.

# Low Results



**High Results** 

-100	-50	0	50	100		% Status		Result	Low	High
1	į			E	Eosinophils	83.33	Н	8.00	0.00	6.00
1	-			į L	_DL	64.71	Н	140.00	62.00	130.00
i				, n	MCV	36.52	Н	97.17	79.00	100.00
1	į			. (	Cholesterol	27.00	Н	217.00	140.00	240.00
				(	Chloride	26.92	Н	106.00	96.00	109.00
i				i n	MCH	26.73	Н	31.60	27.00	33.00
i	i		i i	; (	CO2	25.00	Н	29.00	20.00	32.00
•	-25	5% 25	%							

# **Basic Status Report (Alphabetic)**

ANNA

Female / Age: 48

Blood Test (CWP) Date: 6/7/2000

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

-100	0 -50	0	50	100	A/G Ratio	% Status		Result	Low	High
			!						4 40	0.40
			!	<u>_</u>		-16.67		1.53	1.10	2.40
	<u> </u>	_			Albumin	5.00		4.60	3.50	5.50
					Alkaline Phosphatase	-18.18		65.00	37.00	125.00
					Anion Gap	-46.67	L	8.40	8.00	20.00
	<u>;</u>		<u> </u>	i	B.U.N.	-11.90		13.00	5.00	26.00
	i		i	i i	B.U.N./Creatinine Ratio	-5.56		14.44	6.00	25.00
	i		i	i	Basophil Count	-30.00	L	40.00	0.00	200.00
	i		i	i	Basophils	-16.67		1.00	0.00	3.00
	İ		1	<u> </u>	Bilirubin, Total	4.55		0.70	0.10	1.20
-	1		1	1	Calcium	-6.52		9.50	8.50	10.80
-	1		1	I	Calcium/Phosphorus Rati		<u> </u>	2.44	2.30	3.30
1	1				Chloride	26.92	<u>H</u>	106.00	96.00	109.00
	!				Cholesterol	27.00	<u>H</u>	217.00	140.00	240.00
					CO2	25.00	Н	29.00	20.00	32.00
	!		<u> </u>		Creatinine	-16.67		0.90	0.60	1.50
- !	- !				Eosinophil Count	4.00		320.00	50.00	550.00
					Eosinophils	83.33	Н	8.00	0.00	6.00
			<u> </u>	<u> </u>	Free T4 Index (T7)	-16.25		6.70	4.00	12.00
	<u> </u>		<u> </u>	<u> </u>	GGT	-28.57	L	15.00	0.00	70.00
i	<u>'</u>		i	i	Globulin	18.75		3.00	1.90	3.50
i	i		i	i	Glucose	0.91		88.00	60.00	115.00
i	i		i	i	HDL-Cholesterol	-19.47		64.00	35.00	130.00
- 1	!		1	<u> </u>	Hematocrit	-5.71		41.20	35.00	49.00
	!		1		Hemoglobin	-15.00		13.40	12.00	16.00
	!		- 1		Iron, Total	-24.17		81.00	50.00	170.00
	!			 	LDH	15.00		156.00	0.00	240.00
	- 1			<u> </u>	LDL	64.71	Н	140.00	62.00	130.00
					Lymphocyte Count	-44.00	L	1040.00	800.00	4800.00
				<u> </u>	Lymphocytes	-23.33		26.00	18.00	48.00
				<u> </u>	MCH	26.73	Н	31.60	27.00	33.00
				- !	MCHC	-36.89	_L_	32.52	32.00	36.00
					MCV	36.52	Н	97.17	79.00	100.00
			-	İ	Monocyte Count	-32.22	L	360.00	200.00	1100.00
- 1				i	Monocytes	19.23		9.00	0.00	13.00
i			i	į	Neutrophil Count	-42.90	L	2240.00	1800.00	8000.00
			i	i	Neutrophils	-18.00		56.00	48.00	73.00
	!		1		Phosphorus	20.00		3.90	2.50	4.50
	1			 	Potassium	0.00		4.40	3.50	5.30
	1		1	l !	Protein, Total	14.00		7.60	6.00	8.50
	1			<u> </u>	Protein/Globulin Ratio	-6.67		2.53	2.10	3.10
	1		1	<u> </u>	R.B.C.	-28.75	L	4.24	3.90	5.50
	!			! !	sGOT	-16.67		15.00	0.00	45.00
	1			 	sGPT	-34.00	L	8.00	0.00	50.00
				<u> </u>	Sodium	-16.67		139.00	135.00	147.00
	i		i	ļ	T-3 Uptake	-11.33		29.80	24.00	39.00
i	<u> </u>		i	i	Thyroxine (T4)	-2.50		7.80	4.00	12.00
	i   [		i	i	Triglycerides	-17.34		65.00	0.00	199.00
i	<u> </u>		i	i	Ultra-Sensitive TSH	-5.92		2.62	0.35	5.50
i			i	i	Uric Acid	-39.58	L	2.70	2.20	7.00
			İ	į	W.B.C.	-50.00	L	4.00	4.00	10.50
	-25%	<b>25</b>	5%		<b>Total Status Deviation</b>	22.28				
					Total Status Skew	-6.92				

# **Client Summary Review**

**ANNA** 

Female / Age: 48

Dlaad	Toot	(CM/D)	Data	6/7/2000	
Biood	Lest	(CVVP)	Date:	6///2000	

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

	· ·
1-Digestive Enzymes With meals	1-Elevated Lipid Level Protocol See Nutrition-Detail
1-Immune Stimulation Protocol See Nutrition-Detail	1-Multivitamin w/Digestive Support 2x daily
1-Oral Electrolyte - Standard Formula 2x daily	2-Probiotics 1x daily 3 caps
2-Trace Minerals 1x daily	2-Vitamin B12 2x daily 500 mcg (Add to other protocols)
2-Vitamin C 1x daily 1000 mg	3-Magnesium Taurate 2x daily 125 mg
H - Garlic 1 - 3 times daily	H - Gugul 1 - 3 times daily
H - Nettle 1 - 3 times daily	

#### **Food Recommendations**

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

Artichoke Beef Black Pepper Blueberries **Bok Choy Cabbage** Boysenberries Brown Rice Buckwheat Butter Beans Cheddar Cheese Clams Crab Filberts/HazeInuts Cucumber Fava Beans Flounder Goose Grapefruit Gruyere Cheese Guava Haddock Halibut Honeydew Melon Kidney Beans Lamb Mackerel Mozarella Cheese Mushrooms Mussels Navy Beans Onions Oysters **Plaintains** Potatoes Peanuts Pecans Prawns Pumpkin Rabbit Salmon Scallops Snapper Strawberries Sturgeon Trout Tuna Turkey Veal Venison Walnuts Wild Rice Yams

#### Foods to AVOID

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

Carbonated Beverages Coffee Hydrogenated Fats Liver Pate

Blood Test (CWP) Date: 6/7/2000

#### **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
Allergy	38.93%	9.60%
Differential	32.11%	8.91%
Inflammatory Process	30.74%	5.62%
Differential Count	30.63%	-29.03%
Hematology	28.52%	-10.44%
Gastrointest. Function	27.06%	9.13%
Adrenal Function	26.20%	19.53%
Cellular Distortions	25.07%	-21.32%

## Lab Reported out-of-range Values

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

#### Eosinophils (83.33%)

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 ( 64.71%)

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 artherosclerosis. 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.

## W.B.C. (-50.00%)

The white blood cells' main function is to fight infection, defend the body by phagocytosis against invasion by foreign organisms, and to produce, or at least transport and distribute, antibodies in the immune response. Each type of cell, or leukocyte, has a different job in the body, which is explained in the Differential section. Decreased levels of white blood cells, leukopenia, may occur during certain viral infections, hypersplenism, drugs, primary bone disorders, fungal infections, metastatic tumors, and iron deficiency anemia.

#### Drugs which may have an adverse affect:

Acetaminophen, Allopurinol, Amantadine, Amitriptyline, Ampicillin, Aspirin, Busulfan, Carbamazepine, Chlorpromazine, Clindamycin, Clofibrate, Desipramine, Diazepam, Erythromycin, Fluorides, Fluphenazine, Griseofulvin, Haloperidol, Hydroxyurea, Ibuprofen, Imipramine, Indomethacin, Kanamycin, Levodopa, Lincomycin, MAO Inhibitors, Mercaptopurine, Methimazole, Methotrexate, Methyldopa, Miconazole, Neomycin, Nitrofurantoin, Paramethadione, Penicillamine, Penicillin, Phenelzine, Phenobarbital, Phenylbutazone, Phenytoin, Piroxicam, Polythiazide, Prednisone, Procainamide, Procarbazine, Protriptyline, Rifampin, Streptomycin, Sulfamethizole, Sulfamethoxazole, Sulfasalazine, Sulfisoxazole, Tamoxifen, Tetracycline, Trimethadione, Valproic Acid, Vancomycin

## Foods which may have an adverse affect:

Coffee

#### **Nutrition - Detail**

**ANNA** 

Female / Age: 48

Blood Test (CWP) Date: 6/7/2000

Nutritional and herbal information contained in this report is based upon research related to imbalances in your chemistry. The recommendations are based upon the information provided, without interpretation. This must be done with the help of a qualified health care professional.

1-Digestive Enzymes With meals

DIGESTIVE ENZYMES

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

Rationale **Decreased** 

Normal Triglycerides Increased LDL

Cholesterol

1-Elevated Lipid Level Protocol See Nutrition-Detail

HIGH LIPID LEVEL PROTOCOL

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** 

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.

**Decreased** 

Normal HDL-Cholesterol

**Normal** 

Iron, Total

**Increased** LDL Cholesterol

1-Immune Stimulation Protocol See Nutrition-Detail

IMMUNE MARKER PROTOCOL

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.

**Decreased** 

W.B.C. **Neutrophil Count** 

**Increased** 

1-Multivitamin w/Digestive Support 2x daily

MULTIVITAMIN WITH DIGESTIVE SUPPORT

A multivitamin which contains elements for digestive support including enzymes, betaine HCL, bromelain and Lactobacillus may help balance your chemistry.

**Decreased** 

Normal I DH Globulin Iron, Total Increased Chloride Eosinophils

Alkaline Phosphatase

1-Oral Electrolyte - Standard 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** 

**Normal** Potassium Sodium

Increased

CO<sub>2</sub>

**2-Probiotics** 1x daily 3 caps

**PROBIOTICS** Probiotic strains address dysbiosis in the gastrointestinal tract. **Decreased** 

Normal Monocytes Increased CO2

Eosinophils

#### **Nutrition - Detail**

**ANNA** 

Female / Age: 48

Blood Test (CWP) Date: 6/7/2000

Nutritional and herbal information contained in this report is based upon research related to imbalances in your chemistry. The recommendations are based upon the information provided, without interpretation. This must be done with the help of a qualified health care professional.

2-Trace Minerals 1x daily

TRACE MINERALS - In addition to Protocols

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

**Decreased** Lymphocyte Count **Neutrophil Count** W.B.C.

**Increased** 

2-Vitamin B12 2x daily 500 mcg Add to other protocols

VITAMIN B12

The only vitamin containing essential mineral elements, B12 is important in metabolism of nerve tissue, protein, fat and carbohydrate metabolism and the actions of a number of amino acids. It also is involved in the production of DNA and RNA.

**Decreased** R.B.C.

R.B.C.

**Normal** 

Rationale

Normal

**Increased** MCV MCH

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

Increased LDL

LDH

3-Magnesium Taurate 2x daily 125 mg

MAGNESIUM (Mg)

Second most abundant cation in intracellular fluid. It helps facilitate Na -K transport and influences Ca levels. It is involved in vasodilation, contraction, as well as cardiac and skeletal muscle cells. Required in over 300 enzymes, temperature control, neuronal homeostasis and has a profound effect on cardiac physiology

Decreased Uric Acid

**GGT** 

Normal B.U.N.

Increased

CO<sub>2</sub> Cholesterol

H - Garlic 1 - 3 times daily

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

LDI

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** 

Normal Triglycerides Increased LDL Cholesterol

H - Nettle 1 - 3 times daily

Also known as stinging nettle, research has reported that this herb may be helpful at reducing chlorides. It also has a mild diuretic effect and has been used to relieve benign prostatic hypertrophy. As with all herbs, caution should be taken with its use.

**Decreased** 

**Normal** B.U.N.

**Increased** Chloride

# **Drug Interactions**

**ANNA** 

Female / Age: 48

Blood Test (CWP) Date: 6/7/2000

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.

**ACTH** Allopurinol(4) Ampicillin(3) Chlorothiazide Cortisone(2) Epinephrine Furosemide(3) Haloperidol(3) Imipramine(3) Lincomycin Mercaptopurine(2) Miconazole(2) Nitrofurantoin(3) Phenelzine Piroxicam(2) Procarbazine(2) Rifampin(3) Sulfasalazine(3) Triameterene(3) Vancomycin

Acetaminophen(2) Amantadine Aspirin(6) Chlorpromazine(5) Coumadin Erythromycin(2) Gentamicin(2) Hydrocortisone(2) Indomethacin(4) Lithium(3) Methimazole(3) Naproxen(2) Paramethadione(3) Phenobarbital(4) Polythiazide(2) Progesterone Streptomycin(3) Sulfisoxazole(3) Trimethadione(3) Viomycin(3)

Acetazolamide(2) Amitriptyline(2) Busulfan(2) Clindamycin(2) Desipramine(3) Fluorides(3) Griseofulvin(2) Hydroxyurea(3) Kanamycin(2) MAO Inhibitors(2) Methotrexate(4) Neomycin(3) Penicillamine(5) Phenylbutazone(6) Prednisone(2) Propranolol Sulfamethizole(2) Tamoxifen(2)

Tromethamine

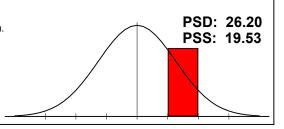
Acyclovir(2) Amoxicillin Carbamazepine(5) Clofibrate(4) Diazepam Fluphenazine(3) Guanethidine Ibuprofen(4) Levodopa Mannitol Methyldopa(4) Nifedipine(2) Penicillin(3) Phenytoin(5) Procainamide(3) Protriptyline(2) Sulfamethoxazole(4) Tetracycline(3) Valproic Acid

Blood Test (CWP) Date: 6/7/2000

#### Adrenal Function

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

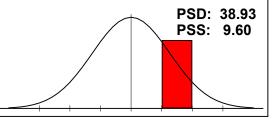
This profile may be in part due to poor nutritional habits, allergies and inadequate fluid intake. Clinical signs may include inability to handle stress, poor circulation, and fatigue.



# Allergy

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

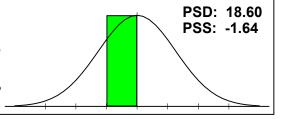
This panel profile may be due to the overuse of antioxidants. Check supplementation history of the patient for more information. A varied, broad spectrum of antioxidants is preferable to one or two alone.



## **Anti Oxidant Status**

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

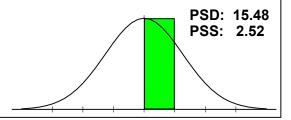
The elements in this panel help represent the antioxidant status of the individual. Excesses of deficiencies in this panel may indicate the need for additional antioxidants. The deviation was below 25% so no abnormalities were found.



#### **Athletic Potential**

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

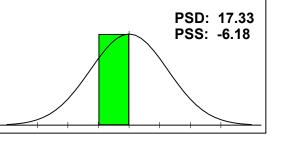
This panel is used to help assess athletic potential. Keeping this panel in a normal range may be helpful in improving athletic performance and reducing the risk of injury. The deviation was below 25% so no abnormalities were found.



#### **Bone/Joint**

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

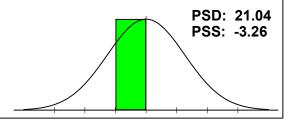
This panel may be helpful in assessing bone and joint health. Keeping the elements of this panel in a normal range may be helpful in reducing the risk of osteoporosis and other bone and joint disorders. The deviation was below 25% so no abnormalities were found.



#### Cardiac Marker

Cholesterol[H], GGT[L], Iron, Total, LDH, sGOT, Triglycerides, Uric Acid[L], 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.

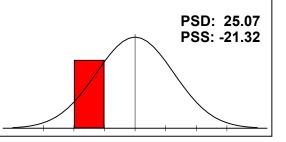


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# **Cellular Distortions**

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

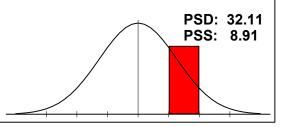
The profile shown here may be indicative of poor nutritional habits so an assessment of the patient's nutrient intake and overall nutrient density may be necessary. If the Anion Gap is low, consider increased intake of electrolytes, minerals and amino acids.



#### **Differential**

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

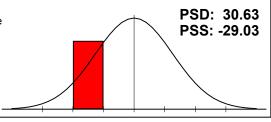
This panel profile may be indicative of a hightened immune system response. A careful review of the individual components of this panel is recommended.



## **Differential Count**

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

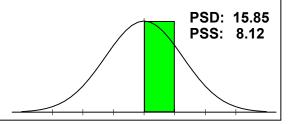
The negative Panel Status Skew may be due to the immune system being at rest if the Differential Panels Deviation is less than 25%, if it is higher than 25% than suspect a weakened or compromised immune system.



# **Electrolyte**

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

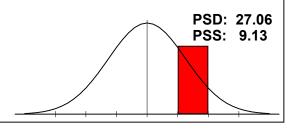
This panel is a representation of electrolyte balance in blood. Balance is critical in maintaining and achieving optimal health. The deviation was below 25% so no abnormalities were found.



#### Gastrointest. Function

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

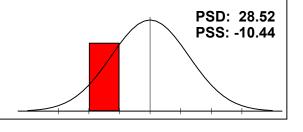
This panel profile indicates the need for further evaluation of gastrointestinal integrity, digestion and absorption. Check for dysbiosis, food allergies or "leaky gut" syndrome.



#### Hematology

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

A profile such as this indicates the potential for anemias, overhydration, malnutrition, nutrient depletion, and heavy metal exposure (this list is not all-inclusive).

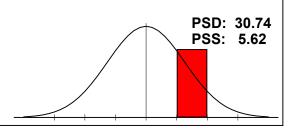


Blood Test (CWP) Date: 6/7/2000

# **Inflammatory Process**

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

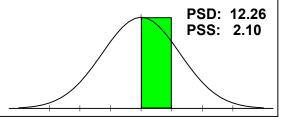
This panel profile may indicate the presence of an ongoing inflammatory process. Consider increasing B-complex vitamins and having the patient avoid saturated and trans fats as well.



# **Kidney Function**

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

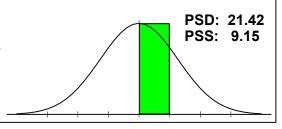
This panel may be helpful in assessing kidney function. It is important to keep the elements of this subset in balance to help the body eliminate waste material. The deviation was below 25% so no abnormalities were found.



# **Lipid**

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

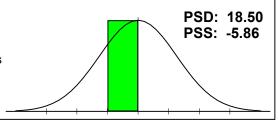
Lipid assessment is important in helping achieve optimal wellness as well as reducing cardiovascular disease risk. The deviation was below 25% so no abnormalities were found.



#### **Liver Function**

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

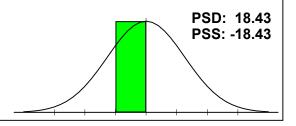
Assessing liver function is important in determining the individual's ability to detoxify itself as well as processing amino acids and other important biological processes. The deviation was below 25% so no abnormalities were found.



#### Nitrogen

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

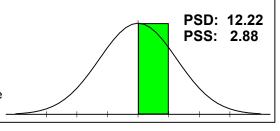
Nitrogen is an important element in achieving optimal wellness. The elements in this panel are important in determining nitrogen competency. The deviation was below 25% so no abnormalities were found.



#### **Protein**

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

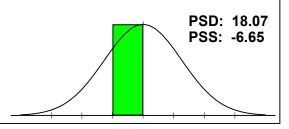
Proteins are the basic building blocks of hormones, muscle, neurotransmitters, immune systems responses and more. Assessing their competency is crucial in achieving optimal wellness. The deviation was below 25% so no abnormalities were found.



# **Pulmonary Function**

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

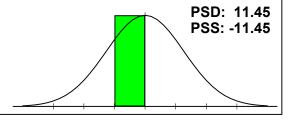
This panel may be helpful in assessing lung and respiratory function. The deviation was below 25% so no abnormalities were found.



# **Ratios**

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

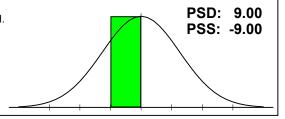
This panel may be helpful in determining the general balance of the overall chemistry of the individual. The deviation was below 25% so no abnormalities were found.



# **Thyroid**

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

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



# **Clinical Correlation**

ANNA

Female / Age: 48

Blood Test (CWP) Date: 6/7/2000

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.

# **Potential Parasitic Involvement ()**

100.00% (2 of 2)

<u>Decreased</u> <u>Normal</u>

procedures which may be helpful include organic acids in urine.

Increased 25.00 CO2

83.33 Eosinophils
When eosinophils and CO2 are elevated, suspect possible parasitic involvement. Additional testing

# **Comparison Progress Report**

# **ANNA**

Female / Age: 48

Blood Test (CWP) Date: 6/7/2000

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

Status % on:	1/7/1999		6/7/2000		+/- change
Eosinophils	0.00		83.33	Н	- 83.33
Anion Gap	-14.17		-46.67	L	- 32.50
LDL	36.76	Н	64.71	Н	- 27.94
T-3 Uptake	-44.24	L	-11.33		+ 32.91
R.B.C.	-60.00	L	-28.75	L	+ 31.25
Eosinophil Count	-30.00	L	4.00		+ 26.00
Hematocrit	-31.00	L	-5.71		+ 25.29

Blood Test (CWP) Date: 6/7/2000

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:	1/7/1999	6/7/2000	
-16.67 -3.56	-	A/G Ratio	-3.56	-16.67	
		Albumin	5.00	5.00	
-18.18 4.55	-	Alkaline Phosphatase	4.55	-18.18	
-14.17	-	Anion Gap	-14.17	-46.67	L
		B.U.N.	-16.67	-11.90	
		B.U.N./Creatinine Ratio	8.65	-5.56	
		Basophil Count	-25.00	L -30.00	L
		Basophils	-16.67	-16.67	
		Bilirubin, Total	4.55	4.55	
		Calcium	-6.52	-6.52	
-36.41 -23.24	-	Calcium/Phosphorus Ratio	-23.24	-36.41	L
19.23 🗪 26.92	-	Chloride	19.23	26.92	Н
12.00 27.00	-	Cholesterol	12.00	27.00	Н
		CO2	25.00	H 25.00	Н
<b>-38.89</b> -16.67	+	Creatinine	-38.89	L -16.67	
<b>-30.00</b> 4.00	+	Eosinophil Count	-30.00	<b>L</b> 4.00	
0.00	_	Eosinophils	0.00	83.33	Н
-16.25 -1.25	-	Free T4 Index (T7)	-1.25	-16.25	
		GGT	-25.71	L -28.57	L
0.00 18.75		Globulin	0.00	18.75	
-11.82 -0.91	+	Glucose	-11.82	0.91	
-11.02 0.01	-	HDL-Cholesterol	-13.16	-19.47	
<b>-31.00</b> -5.71	+	Hematocrit	-31.00	<b>L</b> -5.71	
-51.00 -5.71	•	Hemoglobin	-12.50	-15.00	
		Iron, Total	-25.83	L -24.17	
2.08 15.00	_	LDH	2.08	15.00	
36.76 64.71		LDL	36.76	H 64.71	Н
30.70 04.71		Lymphocyte Count	-38.75	L -44.00	<del>"</del>
		Lymphocytes	-26.67	L -23.33	
26.73 51.47	+	MCH	51.47	H 26.73	Н
-36.89 <b>-31.47</b>	<u> </u>	MCHC	17.61	-36.89	Ë
27.82 36.52		MCV	27.82	H 36.52	늄
-32.22 -16.67		Monocyte Count	-16.67	-32.22	Ľ
19.23 <b>26.92</b>	<del>-</del>	Monocytes	26.92	H 19.23	
-42.90 -29.84		Neutrophil Count	-29.84	L -42.90	L
• • • • • • • • • • • • • • • • • • • •	-				
-18.00 2.00	-	Neutrophils	2.00	-18.00	
10.00 → 20.00	-	Phosphorus	10.00	20.00	
0.00		Protoin Total	-5.56	0.00	
2.00 14.00	-	Protein, Total	2.00	14.00	
-60.00 -28.75	+	11.0.0.	-60.00		<u>L</u>
0.00 4- 0000		sGOT	-14.44	-16.67	
-34.0026.00	-	sGPT	-26.00		L
-16.67 🛑 8.33	-	Sodium/Datassium Datia	8.33	-16.67	
		Sodium/Potassium Ratio	8.53	-3.41	
-44.24 -11.33		T-3 Uptake	-44.24		
-2.50 21.25	+	Thyroxine (T4)	21.25	-2.50	
		Triglycerides	-21.86	-17.34	
		Ultra-Sensitive TSH	7.67	-5.92	
-39.58 -25.00		Uric Acid	-25.00		<u> </u>
-50.00 -34.62	-	W.B.C.	-34.62		L
		Total Status Deviation	18.82	22.28	
		Total Status Skew	-6.76	-6.92	

<b>Adrenal Function</b>	n	1/7/1999		6/7/2000		+/-	
Cholesterol		12.00		27.00	Н	-	12.00 <b>27.00</b>
Eosinophils		0.00		83.33	Н	-	0.00
Eosinophil Count		-30.00	L	4.00		+	<b>-30.00</b> 4.00
Potassium		-5.56		0.00			
Sodium		8.33		-16.67		-	-16.67 🛑 8.33
ı	PSS / PSD	-3.04 / 11	.18	19.53 / 26.	20		

Allergy		1/7/1999	6/7/2000	+/-	
Eosinophils		0.00	83.33	н -	0.00 83.33
Globulin		0.00	18.75	-	0.00 18.75
Lymphocytes		-26.67 L	-23.33		
Monocytes		26.92 H	19.23	+	19.23 <b>4 26.92</b>
W.B.C.		-34.62 L	-50.00	L -	-50.00 -34.62
	PSS / PSD	-6.87 / 17.64	9.60 / 38.9	93	

Anti Oxidant Status	1/7/1999	6/7/2000		+/-	
Anion Gap	-14.17	-46.67	L	-	<b>-46.67 -14.17</b>
Bilirubin, Total	4.55	4.55			
Chloride	19.23	26.92	Н	-	19.23 <b>26.92</b>
Cholesterol	12.00	27.00	Н	-	12.00 <b>27.00</b>
Glucose	-11.82	0.91		+	-11.82 🗪 0.91
Iron, Total	-25.83 L	-24.17			
PSS / F	<b>PSD</b> -2.29 / 12.51	-1.64 / 18.	60		

Athletic Potential	1/7/1999		6/7/2000	+/-	•
B.U.N./Creatinine Ratio	8.65		-5.56		
Cholesterol	12.00		27.00 H	1 -	12.00 <b>27.00</b>
CO2	25.00	Н	25.00 H	ł	
Creatinine	-38.89	L	-16.67	+	<b>-38.89 -1</b> 6.67
LDH	2.08		15.00	-	2.08 15.00
Potassium	-5.56		0.00		
Protein, Total	2.00		14.00	-	2.00 14.00
Sodium	8.33		-16.67	-	-16.67 🛑 8.33
HDL-Cholesterol	-13.16		-19.47		
PSS	/ <b>PSD</b> 0.05 / 12	.85	2.52 / 15.48	3	

Bone/Joint	1/7	7/1999	ε	5/7/2000	+,	<b>/</b> -	
Albumin		5.00		5.00			
Alkaline Phosphatase		4.55		-18.18	-		-18.18 4.55
Calcium		-6.52		-6.52			
Neutrophils		2.00		-18.00	-		-18.00
Phosphorus		10.00		20.00	-		10.00 🗪 20.00
Protein, Total		2.00		14.00	-		2.00 14.00
Uric Acid		-25.00	L	-39.58	L -		-39.58 -25.00
	PSS / PSD	-1.14 / 7.	87	-6.18 / 17.	.33		

Cardiac Marker	1/7/1999	)	6/7/2000		+/-	
Cholesterol	12.0	)	27.00	Н	-	12.00 <b>27.00</b>
GGT	-25.7	1 L	-28.57	L		
Iron, Total	-25.83	3 L	-24.17			
LDH	2.0	3	15.00		-	2.08 15.00
sGOT	-14.4	4	-16.67			
Triglycerides	-21.8	3	-17.34			
Uric Acid	-25.0	) L	-39.58	L	-	-39.58 -25.00
HDL-Cholesterol	-13.10	3	-19.47			
LDL	36.7	6 H	64.71	Н	-	36.76 64.71
P	<b>SS / PSD</b> -6.26 / <sup>2</sup>	4.74	-3.26 / 21.	04		

Cellular Distortions	1/7/1999		6/7/2000		+/-	
Alkaline Phosphatase	4.55		-18.18		-	-18.18 4.55
Anion Gap	-14.17		-46.67	L	-	<b>-46.67 -14.17</b>
GGT	-25.71	L	-28.57	L		
Iron, Total	-25.83	L	-24.17			
LDH	2.08		15.00		-	2.08 15.00
Neutrophils	2.00		-18.00		-	-18.00 (2.00
W.B.C.	-34.62	L	-50.00	L	-	-50.00 -34.62
PSS / F	<b>PSD</b> -11.46 / 13.	.62	-21.32 / 25.	07		

Differential		1/7/1999	6/7	7/2000		+/-	
Basophils		-16.67		-16.67			
Eosinophils		0.00		83.33	Н	-	0.00
Lymphocytes		-26.67	L	-23.33			
Monocytes		26.92	Н	19.23		+	19.23 <b>4 26.92</b>
Neutrophils		2.00		-18.00		-	-18.00
	PSS / PSD	-2.88 / 14.4	45 8	3.91 / 32	.11		

<b>Differential Count</b>	1/7/1999		6/7/2000		+/-	
Basophil Count	-25.00	L	-30.00	L		
Eosinophil Count	-30.00	L	4.00		+	<b>-30.00</b> 4.00
Lymphocyte Count	-38.75	L	-44.00	L		
Monocyte Count	-16.67		-32.22	L	-	<b>-32.22 -16.67</b>
Neutrophil Count	-29.84	L	-42.90	L	-	-42.90 -29.84
PS	S / PSD -28.05 / 28	3.05	-29.03 / 30.	63		

Electrolyte		1/7/1999	6/7/2000	+/-	
Calcium		-6.52	-6.52		
Chloride		19.23	26.92	Н -	19.23 <b>今 26.92</b>
CO2		25.00 H	25.00	Н	
Phosphorus		10.00	20.00	-	10.00 🗪 20.00
Potassium		-5.56	0.00		
Sodium		8.33	-16.67	-	-16.67 🛑 8.33
	PSS / PSD	8.41 / 12.44	8.12 / 15.	85	

Gastrointest. Function	1/7/1999	6/7/2000		+/-	
Anion Gap	-14.17	-46.67	L	-	<b>-46.67 -14.</b> 17
Chloride	19.23	26.92	Н	-	19.23 <b>26.92</b>
Cholesterol	12.00	27.00	н	-	<b>12.00 27.00</b>
CO2	25.00 H	25.00	н		
Monocytes	26.92 H	19.23		+	19.23 <b>4 26.92</b>
Potassium	-5.56	0.00			
Sodium	8.33	-16.67		-	-16.67 🛑 8.33
Triglycerides	-21.86	-17.34			
LDL	36.76 H	64.71	н	-	36.76 64.71
PSS / PSD	9.63 / 18.87	9.13 / 27	.06		

Hematology		1/7/1999		6/7/2000		+/-	
Hematocrit		-31.00	L	-5.71		+	<b>-31.00</b> -5.71
Hemoglobin		-12.50		-15.00			
мсн		51.47	Н	26.73	Н	+	26.73 51.47
мснс		17.61		-36.89	L	-	<b>-36.89 1</b> 7.61
MCV		27.82	Н	36.52	Н	-	27.82 🔷 36.52
R.B.C.		-60.00	L	-28.75	L	+	-60.00 -28.75
W.B.C.		-34.62	L	-50.00	L	-	-50.00 -34.62
	PSS / PSD	-5.89 / 33	.57	-10.44 / 28	.52		

<b>Inflammatory Process</b>	1/7/1999	6/7/2000	+/-	
Eosinophils	0.00	83.33	н -	0.00
Globulin	0.00	18.75	-	0.00 18.75
LDH	2.08	15.00	-	2.08 15.00
Neutrophils	2.00	-18.00	-	-18.00
Potassium	-5.56	0.00		
sGOT	-14.44	-16.67		
sGPT	-26.00	L -34.00	L -	-34.00 🛑 -26.00
Triglycerides	-21.86	-17.34		
Uric Acid	-25.00	L -39.58	L -	-39.58 -25.00
LDL	36.76	H 64.71	н -	36.76 64.71
PSS / P	<b>SD</b> -5.20 / 13.	37 5.62 / 30	).74	

Kidney Function	1/7/1999	6/7/2000	+/-	
Albumin	5.00	5.00		
B.U.N.	-16.67	-11.90		
B.U.N./Creatinine Ratio	8.65	-5.56		
Chloride	19.23	26.92	Н -	19.23 <b>26.92</b>
CO2	25.00 H	25.00	Н	
Creatinine	-38.89 L	-16.67	+	<b>-38.89 -1</b> 6.67
Glucose	-11.82	0.91	+	-11.82 🗪 0.91
Potassium	-5.56	0.00		
Protein, Total	2.00	14.00	-	2.00 14.00
Sodium	8.33	-16.67	-	-16.67 🛑 8.33
PSS / PSD	-0.47 / 14.11	2.10 / 12.	26	

Lipid		1/7/1999	6/7/2000	+	<del>-</del> /-	
Cholesterol		12.00	27.00 I	Н	-	12.00 <b>27.00</b>
Triglycerides		-21.86	-17.34			
HDL-Cholesterol		-13.16	-19.47			
LDL		36.76 H	64.71 I	Н	-	36.76 64.71
	PSS / PSD	2.29 / 13.96	9.15 / 21.4	2		

Liver Function	1/7/1999	6/7/2000	+/-	
Albumin	5.00	5.00		
Alkaline Phosphatase	4.55	-18.18	-	-18.18 4.55
Bilirubin, Total	4.55	4.55		
Cholesterol	12.00	27.00 I	н -	12.00 <b>27.00</b>
GGT	-25.71 L	-28.57	L	
Protein, Total	2.00	14.00	-	2.00 14.00
sGOT	-14.44	-16.67		
sGPT	-26.00 L	-34.00	L -	-34.00 🛑 -26.00
PSS / PSD	-4.76 / 11.78	-5.86 / 18.5	0	

Nitrogen	1/7/1999	6/7/2000	+/-	
B.U.N.	-16.67	-11.90		
B.U.N./Creatinine Ratio	8.65	-5.56		
Creatinine	-38.89 L	-16.67	+	<b>-38.89 -1</b> 6.67
Uric Acid	-25.00 L	-39.58 L	-	-39.58 -25.00
PSS / PSD	-17.98 / 22.30	-18.43 / 18.43		

Protein	1/7/1999	6/7/2000	+/-	
A/G Ratio	-3.56	-16.67	-	-16.67 -3.56
Albumin	5.00	5.00		
Globulin	0.00	18.75	-	0.00 18.75
Protein, Total	2.00	14.00	-	2.00 14.00
PSS / PSD	0.69 / 2.11	2.88 / 12.22		

<b>Pulmonary Function</b>	า 1/7/1999	6/7/2000	+/-	<b>'-</b>
Anion Gap	-14.17	-46.67	L -	<b>-46.67 -14.17</b>
Calcium	-6.52	-6.52		
CO2	25.00	H 25.00	Н	
LDH	2.08	15.00	-	2.08 15.00
Potassium	-5.56	0.00		
sGOT	-14.44	-16.67		
Sodium	8.33	-16.67	-	-16.67 🛑 8.33
PSS	/ <b>PSD</b> -0.75 / 10	).87 -6.65 / 18	3.07	

Ratios	1/7/1999	6/7/2000	+/-	
A/G Ratio	-3.56	-16.67	-	-16.67 -3.56
B.U.N./Creatinine Ratio	8.65	-5.56		
Calcium/Phosphorus Ratio	-23.24	-36.41 l	L -	<b>-36.41 -2</b> 3.24
Sodium/Potassium Ratio	8.53	-3.41		
PSS / PSD	-1.61 / 7.33	-11.45 / 11.4	5	

# **Panel/Subset Comparison Report**

**ANNA** 

Female / Age: 48

Blood Test (CWP) Date: 6/7/2000

Thyroid		1/7/1999	6/7/2000	+/-	
Thyroxine (T4)		21.25	-2.50	+	-2.50 (21.25
T-3 Uptake		-44.24 L	-11.33	+	<b>-44.24</b> -11.33
Free T4 Index (T7)		-1.25	-16.25	-	-16.25 -1.25
Ultra-Sensitive TSH		7.67	-5.92		
	PSS / PSD	-4.14 / 18.60	-9.00 / 9.00		