



Anna Salanti

Date: 11/30/2015

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Next Test Due: 5/30/2016

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LabAssist™ Foundational Wellness Profile Report

Practitioner

Printed on Thursday, December 31, 2015 for:

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Basic Status High/Low - Plasma Amino Acids on 11/30/2015

Anna Salanti

Foundational Wellness Profile Date: 11/30/2015

Female / Age: 63

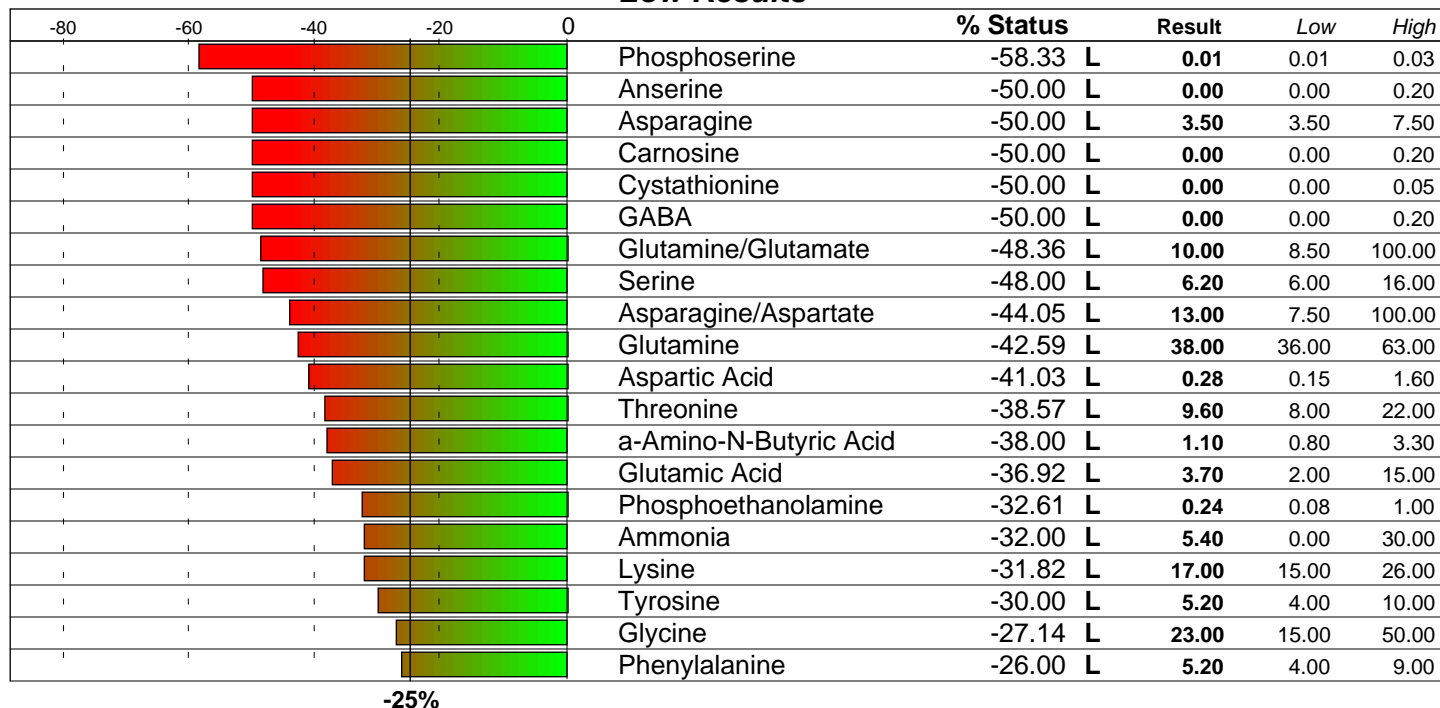
Anna Salanti (2718)

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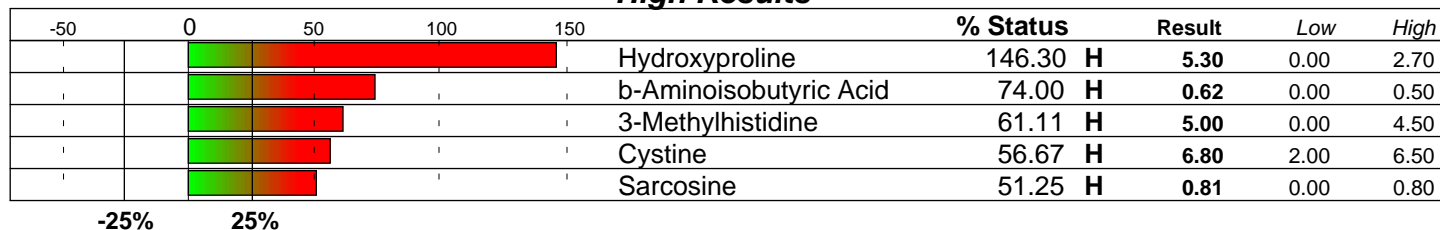
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The % Status is the weighted deviation of the laboratory result.

Low Results



High Results



Basic Status High/Low - Urine Organic Acids on 11/30/2015

Anna Salanti

Foundational Wellness Profile Date: 11/30/2015

Female / Age: 63

Anna Salanti (2718)

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

Low Results

-80	-60	-40	-20	0		% Status	Result	Low	High
					Adipate	-50.00 L	0.00	0.00	6.20
					a-Hydroxybutyrate	-50.00 L	0.00	0.00	0.30
					a-Keto-b-methylvalerate	-50.00 L	0.00	0.00	0.38
					a-Ketoisocaproate	-50.00 L	0.00	0.00	0.34
					a-Ketisovalerate	-50.00 L	0.00	0.00	0.25
					Benzoate	-50.00 L	0.00	0.00	0.60
					b-Hydroxybutyrate	-50.00 L	0.00	0.00	2.10
					DHPP	-50.00 L	0.00	0.00	0.05
					Fumarate	-50.00 L	0.00	0.00	0.59
					Phenylacetate	-50.00 L	0.00	0.00	0.11
					Phenylpropionate	-50.00 L	0.00	0.00	0.06
					Pyruvate	-50.00 L	0.00	0.00	3.90
					Tricarballylate	-50.00 L	0.00	0.00	0.73
					D-Lactate	-39.47 L	0.20	0.00	1.90
					8-Hydroxy-2-deoxyguan	-31.13 L	1.00	0.00	5.30
					2-Methylhippurate	-26.19 L	0.02	0.00	0.08

-25%

High Results

-50	0	50	100	150		% Status	Result	Low	High
					5-Hydroxyindoleacetate	161.43 H	9.50	2.10	5.60
					Malate	135.71 H	2.60	0.00	1.40
					Orotate	99.28 H	1.03	0.00	0.69
					Hippurate	95.07 H	795.00	0.00	548.00
					Formiminoglutamic Acid	91.67 H	1.70	0.00	1.20
					Sulfate	73.04 H	2667.00	958.00	2347.00
					Citrate	57.34 H	641.00	56.00	601.00
					Glucarate	54.76 H	6.60	0.00	6.30
					Kynurenate	50.00 H	1.00	0.00	1.00
					Suberate	35.71 H	1.80	0.00	2.10
					p-Hydroxyphenyllactate	34.62 H	0.33	0.00	0.39
					Hydroxymethylglutarate	33.33 H	3.00	0.00	3.60
					Succinate	29.31 H	9.20	0.00	11.60
					b-Hydroxyisovalerate	25.00 H	5.70	0.00	7.60

-25%

25%

Basic Status Alphabetic - Plasma Amino Acids on 11/30/2015

Anna Salanti

Foundational Wellness Profile Date: 11/30/2015

Female / Age: 63

Anna Salanti (2718)

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

-100	-50	0	50	100		% Status	Result	Low	High
					1-Methylhistidine	4.67	0.82	0.00	1.50
					3-Methylhistidine	61.11 H	5.00	0.00	4.50
					a-Aminoadipic Acid	16.67	0.20	0.00	0.30
					a-Amino-N-Butyric Acid	-38.00 L	1.10	0.80	3.30
					Alanine	14.10	47.00	22.00	61.00
					Ammonia	-32.00 L	5.40	0.00	30.00
					Anserine	-50.00 L	0.00	0.00	0.20
					Arginine	-6.47	8.20	4.50	13.00
					Asparagine	-50.00 L	3.50	3.50	7.50
					Asparagine/Aspartate	-44.05 L	13.00	7.50	100.00
					Aspartic Acid	-41.03 L	0.28	0.15	1.60
					b-Alanine	-1.00	0.49	0.00	1.00
					b-Aminoisobutyric Acid	74.00 H	0.62	0.00	0.50
					Carnosine	-50.00 L	0.00	0.00	0.20
					Citrulline	9.09	4.20	1.60	6.00
					Cystathionine	-50.00 L	0.00	0.00	0.05
					Cystine	56.67 H	6.80	2.00	6.50
					Ethanolamine	10.91	0.87	0.20	1.30
					GABA	-50.00 L	0.00	0.00	0.20
					Glutamic Acid	-36.92 L	3.70	2.00	15.00
					Glutamine	-42.59 L	38.00	36.00	63.00
					Glutamine/Glutamate	-48.36 L	10.00	8.50	100.00
					Glycine	-27.14 L	23.00	15.00	50.00
					Histidine	-20.00	6.50	5.00	10.00
					Homocystine	14.00	0.03	0.00	0.05
					Hydroxyproline	146.30 H	5.30	0.00	2.70
					Isoleucine	-13.49	6.00	3.70	10.00
					Leucine	-16.67	11.00	7.50	18.00
					Lysine	-31.82 L	17.00	15.00	26.00
					Methionine	-20.00	2.20	1.60	3.60
					Methionine sulfoxide	-21.00	0.29	0.00	1.00
					Ornithine	16.67	11.00	3.00	15.00
					Phenylalanine	-26.00 L	5.20	4.00	9.00
					Phosphoethanolamine	-32.61 L	0.24	0.08	1.00
					Phosphoserine	-58.33 L	0.01	0.01	0.03
					Proline	-16.67	17.00	10.00	31.00
					Sarcosine	51.25 H	0.81	0.00	0.80
					Serine	-48.00 L	6.20	6.00	16.00
					Taurine	-14.35	8.60	4.50	16.00
					Threonine	-38.57 L	9.60	8.00	22.00
					Tryptophan	7.50	5.30	3.00	7.00
					Tyrosine	-30.00 L	5.20	4.00	10.00
					Urea	-16.67	410.00	200.00	830.00
					Valine	16.67	25.00	13.00	31.00
						Total Status Deviation	33.44		
						Total Status Skew	-10.73		

Anna Salanti
Female / Age: 63

Anna Salanti (2718)

	-100	-50	0	50	100	% Status	Result	Low	High	
						A/G Ratio	-12.17	1.63	1.10	2.50
						Albumin	16.67	4.40	3.60	4.80
						Alkaline Phosphatase	-10.71	80.00	25.00	165.00
						Anion Gap	-9.00	12.10	8.00	18.00
						B.U.N.	28.95 H	23.00	8.00	27.00
						B.U.N./Creatinine Ratio	75.80 H	29.87	11.00	26.00
						Basophils	-33.33 L	0.50	0.00	3.00
						Bilirubin, Total	10.00	0.80	0.20	1.20
						Calcium	18.75	9.70	8.60	10.20
						Chloride	4.55	103.00	97.00	108.00
						Cholesterol	111.00 H	301.00	140.00	240.00
						CO2	-8.33	26.00	21.00	33.00
						Creatinine	-3.49	0.77	0.57	1.00
						Eosinophils	-12.86	2.60	0.00	7.00
						Globulin	-10.00	2.70	1.50	4.50
						Glucose	47.06 H	98.00	65.00	99.00
						HDL-Cholesterol	-38.75 L	49.00	40.00	120.00
						Hematocrit	-14.55	38.90	35.00	46.00
						Hemoglobin	-8.33	13.10	11.10	15.90
						LDL	218.33 H	221.00	60.00	120.00
						Lymphocytes	-35.94 L	18.50	14.00	46.00
						MCH	42.28 H	32.51	26.60	33.00
						MCHC	1.81	33.68	31.50	35.70
						MCV	47.37 H	96.53	79.00	97.00
						Monocytes	16.67	10.00	4.00	13.00
						Neutrophils	33.53 H	68.40	40.00	74.00
						Platelet Count	-11.45	246.00	140.00	415.00
						Potassium	-14.71	4.10	3.50	5.20
						Protein, Total	6.00	7.40	6.00	8.50
						R.B.C.	-32.78 L	4.03	3.77	5.28
						RDW	-17.74	13.30	12.30	15.40
						sGOT	-10.00	22.00	10.00	40.00
						sGPT	38.24 H	36.00	6.00	40.00
						Sodium	-20.00	137.00	134.00	144.00
						Triglycerides	54.62 H	156.00	20.00	150.00
						W.B.C.	-20.77	5.90	4.00	10.50
						Total Status Deviation	29.28			
						Total Status Skew	8.58			

Client Summary Review

Anna Salanti

Female / Age: 63

Foundational Wellness Profile Date: 11/30/2015

Anna Salanti (2718)

Nutritional Support

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

☐ **1-5-HTP**
3x daily 100 mg

☐ **1-Digestive Enzymes**
With meals

☐ **1-Oral Electrolyte - Balanced Formula**
2x daily

☐ **H - Garlic**
1 - 3 times daily

☐ **H - Milk thistle**
1 - 3 times daily

☐ **1-CoEnzyme Q10**
2x daily 100 mg

☐ **1-Folic Acid**
2x daily 800 mcg

☐ **2-Glycine**
2x daily 1000 mg

☐ **H - Ginseng (Panax)**
1 - 3 times daily

Food Recommendations

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

Artichoke
Green Beans
Strawberries

Bok Choy Cabbage
Guava
Swiss Chard

Broccoli
Mango
Wild Rice

Cherries
Red Peppers

Foods to AVOID

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

Bacon
Coconut Milk
Eggplant
Margarine

Cholesterol Rich Foods
Coffee
Green Tea
Sweetbreads

Chuck Roast
Dairy Cream
Hydrogenated Fats

Coconut Cream
Egg Yolk
Liver Pate

Practitioner Summary Review

Anna Salanti
Female / Age: 63

Foundational Wellness Profile Date: 11/30/2015
Anna Salanti (2718)

Results Missing From Test

A more comprehensive report would have been generated if the following results were provided.

GGT Iron, Total

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
Lipid	105.67%	86.30%
Carbohydrate Metabolism	93.95%	78.45%
Cardiac Risk	86.54%	67.04%
Inflammatory Process	53.06%	23.66%
Liver Detox Indicators	52.10%	26.70%
Gastrointest. Function	50.80%	39.24%
BCAA Catabolism	50.00%	-50.00%
Connective Tissue	47.72%	32.49%
Neurotransmitters	45.83%	38.74%
CAC Cycle Ratios	44.36%	11.06%
Energy Production	44.11%	25.08%
Biochemical Ratios	43.99%	31.82%
B-Complex Markers	43.98%	-10.64%
Muscle Metabolites	41.44%	-8.56%
Carbohydrate Metabolism	40.00%	-40.00%
Oxidative Stress	36.32%	32.72%
Nitrogen	36.08%	33.75%
Fatty Acid Metabolism	35.98%	2.65%
Intestinal Dysbiosis	35.73%	-24.22%
Athletic Potential	34.76%	13.44%
Neuroendocrine Metab	33.90%	-33.90%
Detoxification Markers	33.63%	-14.74%
CNS Metabolism	30.81%	-27.47%
Hepatic Metabolism	30.24%	-6.02%
Magnesium Dependents	29.99%	-23.32%
Adrenal Function	29.13%	9.39%
Ammonia/Energy	27.59%	-19.51%
Gluconeogen	27.06%	-18.42%
Immune Metabolites	26.08%	-17.74%
Urea Cycle Metabolites	26.07%	-18.72%

Lab Reported out-of-range Values

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

LDL (218.33%)

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.

Drugs which may have an adverse affect:

Clofibrate

Foods which may have an adverse affect:

Coconut Milk

5-Hydroxyindoleacetate (161.43%)

An elevation of this metabolite of the breakdown of serotonin may be due to the use of serotonin-specific re-uptake inhibitor (SSRI) drugs or the release of serotonin from the central nervous system, intestinal argentaffin cells or platelets.

Drugs which may have an adverse affect:

Acetaminophen, Prozac, Reserpine

Hydroxyproline (146.30%)

May be indicative of bone resorption problems due to increased osteocalcin secretion. Hydroxyproline is a component of collagen. Vitamin C and iron are necessary cofactors.

CA Cycle Phase 1 (138.53%)

This is the first phase of the citric acid cycle moving from Citrate to cis-Aconitate. A high reading may indicate a disruption in the efficiency of energy production. It can also be due to a problem clearing ammonia due to an arginase enzyme deficiency.

Malate (135.71%)

A high level of this organic acid may be indicative of a need for certain nutrients such as niacin and Coenzyme Q10. If citrate, fumarate, and a-ketoglutarate are high as well, it may be due to a cytochrome C oxidase deficiency. Elevations of malate are also seen in individuals with Syndrome X. Tartaric acid has also been implicated, although theoretically, to block malate within the citric acid cycle.

Drugs which may have an adverse affect:

Lithium Carbonate

Cholesterol (111.00%)

Cholesterol is a fat, found in the blood which has been reported to be linked, when elevated, to an increased risk of cardiovascular disease. It is not a good independent risk factor but can be helpful in conjunction with HDL (good cholesterol), LDL (bad cholesterol) and the Cholesterol/HDL Ratio in assessing risk for heart disease. High levels may be caused by familial (hereditary) hypercholesterolemia, biliary obstruction, nephrotic syndrome, hypothyroidism, and pregnancy.

Drugs which may have an adverse affect:

Acetohexamide, Aspirin, Carbamazepine, Chlorpromazine, Chlorpropamide, Chlorthalidone, Clofibrate, Clonidine, Corticosteroids, Cortisone, Diclofenac, Furosemide, Ibuprofen, Imipramine, Lithium Carbonate, Methimazole, Miconazole, Nafarelin, Paramethadione, Penicillamine, Phenobarbital, Phenylbutazone, Phenytoin, Prednisone, Propranolol, Tamoxifen, Trimethadione, Viomycin

Foods which may have an adverse affect:

Bacon, Cholesterol Rich Foods, Chuck Roast, Coconut Cream, Coconut Milk, Dairy Cream, Egg Yolk, Hydrogenated Fats, Liver Pate, Margarine, Sweetbreads

Orotate (99.28%)

An elevated reading of this organic acid may be due to an arginine deficiency, ammonia intoxication, and by excessive lysine intake as well as an intracellular magnesium deficiency. Arginine, aspartic acid, alpha ketoglutarate, and magnesium may be helpful.

Hippurate (95.07%)

A high reading of this organic acid may be indicative of an overgrowth of intestinal microbiota due to the action of bacteria on phenylalanine, elevated levels of environmental toxins (typically solvents) or elevated ingestion of benzoic acid.

Drugs which may have an adverse affect:

Aspirin

Formiminoglutamic Acid (91.67%)

A high reading of this organic acid is suggestive of a folic acid deficiency. FIGLU is a compound derived from histidine and an insufficiency of folic acid leads to a high result.

Drugs which may have an adverse affect:

Ampicillin, Aspirin, Colchicine

Foods which may have an adverse affect:

Green Tea

B.U.N./Creatinine Ratio (75.80%)

This ratio is a good indicator of kidney and liver function. A high reading in this calculation is normally indicative of too much BUN being formed. Excessive protein intake, kidney damage, certain drugs, low fluid intake, intestinal bleeding, exercise, or heart failure can cause increases.

Drugs which may have an adverse affect:

Sildenafil, Tadalafil, Vardenafil

b-Aminoisobutyric Acid (74.00%)

May indicate a lack of transaminase enzyme. Also may show a possible protein deficiency.

Sulfate (73.04%)

High levels of sulfate in the urine may be indicative of a number of problems related to glutathione use and depletion. If urinary pyroglutamate and a-hydroxybutyrate are also elevated, this indicates an early stage of glutathione depletion as it suggests that the system is increasing the flow of sulfur compounds into the liver to meet a growing need for the antioxidant tri-peptide. If those two markers are not elevated, suspect a high intake of sulfur bearing foods or amino acids such as NAC (N-Acetyl-Cysteine), methionine or taurine.

3-Methylhistidine (61.11%)

This may be indicative of an abnormal rate of catabolism of muscle protein or an abnormal rate of turnover of muscle tissue. This may be a degenerative condition or due to strenuous physical activity. Also, inadequate levels of folate and B-12 may be the cause.

Drugs which may have an adverse affect:

Cortisol

Phosphoserine (-58.33%)

No information available.

Citrate (57.34%)

A high reading of this organic acid may be indicative of an amino acid deficiency or a problem with metabolism.

Cystine (56.67%)

Cystine is the combination of two cysteine molecules combine. A sulfur amino acid, it is critical in the ability to detoxify the body. A high reading may indicate excessive supplementation with methionine, cystine, or N-acetylcysteine.

Decreased renal clearance may also cause a high result. Excessive levels can be neurotoxic and adversely affect mental function.

Glucarate (54.76%)

Glucarate is a by-product of oxidation in the Phase 1 detoxification process involving cytochrome p450. Elevations may be indicative of toxic exposures, especially pesticides. Glycine and N-acetyl-cysteine are helpful supplements in reducing this reading. Elevations may also be seen in alcoholism, solvent exposure, excessive estrogen and/or testosterone and drugs such as aspirin, lorazepam, digoxin and morphine.

Triglycerides (54.62%)

Triglycerides is where most of the stored fat in the body resides. While high triglycerides are clearly associated with coronary heart disease, it is also been shown to be responsive to dietary changes.

Drugs which may have an adverse affect:

Chlorthalidone, Itraconazole, Levonorgestrel, Levothyroxine, Methyldopa, Miconazole, Polythiazide, Propranolol, Tamoxifen

Foods which may have an adverse affect:

Bacon, Cholesterol Rich Foods, Chuck Roast, Coconut Cream, Coconut Milk, Dairy Cream, Egg Yolk, Margarine, Sweetbreads

Sarcosine (51.25%)

Elevated sarcosine may be indicative of a functional deficiency of riboflavin (B2) this in turn may impair vitamin B6 metabolism and the conversion of tryptophan to niacin. Elevated levels in men with prostate cancer should be monitored and glycine supplementation and possibly methionine should be avoided.

Adipate (-50.00%)

No known health issues are related to low levels of adipate.

a-Hydroxybutyrate (-50.00%)

This organic acid is the last step of glutathione synthesis from methionine through cysteine. Low levels are desirable but not indicative of any positive or negative health issues.

a-Keto-b-methylvalerate (-50.00%)

No known health issues are related to low levels of a-keto-β-methylvalerate.

a-Ketoisocaproate (-50.00%)

No known health issues are related to low levels of a-ketoisocaproate.

a-Ketoisovalerate (-50.00%)

No known health issues are related to low levels of a-ketoisovalerate.

Anserine (-50.00%)

No information available.

Asparagine (-50.00%)

Asparagine is a non-essential amino acid synthesized from aspartic acid and ATP. A low result may be indicative of a functional magnesium deficiency.

Benzoate (-50.00%)

A low reading in today's environmentally toxic world may indicate a poor phase I detoxification capability.

b-Hydroxybutyrate (-50.00%)

No known health issues are related to low levels of β-hydroxybutyrate.

Carnosine (-50.00%)

No information available.

Cystathionine (-50.00%)

An important sulfur amino acid, low plasma cystathionine may be indicative of generally low sulfur containing amino acids. Cross correlate this result with taurine. May also show impaired glutathione production. Running a urine organic acid test may be necessary.

DHPP (-50.00%)

No known health issues are related to low levels of DHPP.

Fumarate (-50.00%)

Indicative of poor functioning or overstress on the citric acid cycle, a low reading of this organic acid may be suggestive of low levels of tyrosine and phenylalanine.

GABA (-50.00%)

GABA is known as a neuroinhibitory amino acid that is derived from glutamic acid and seems to regulate nerve cell function.

Kynurenate (50.00%)

A high reading of this by-product of the breakdown of the amino acid tryptophan is consistent with a vitamin B6 deficiency, possible inflammatory processes, interferon-gamma stimulated macrophages or excessive tryptophan supplementation (not 5-HTP). Abnormally high levels can cause an increase in pain sensations and may, in multiple sclerosis patients, be a marker for an exacerbation period.

Phenylacetate (-50.00%)

No known health issues are related to low levels of phenylacetate.

Phenylpropionate (-50.00%)

No known health issues are related to low levels of phenylpropionate.

Pyruvate (-50.00%)

No known health issues are related to low levels of pyruvate.

Pyruvate to Lactate (-50.00%)

A low reading may be indicative of a blockade in the entry point of the citric acid cycle thereby impacting the ability of the body to derive energy from carbohydrates.

Tricarballylate (-50.00%)

No known health issues are related to low levels of tricarballylate.

Additional Tests

The following additional lab tests may help in diagnosis.

Consider ordering apolipoprotein A-1 and B

Rationale: Panel Cardiac Risk Status Scw is > 0%

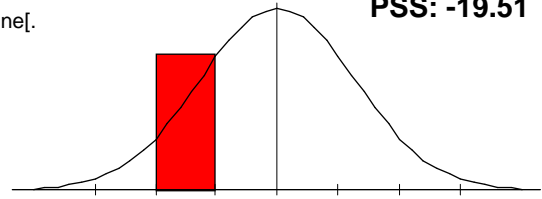
Panel Cardiac Risk Status Deviation is > 50%

Ammonia/Energy

Arginine, Threonine[L], Glycine[L], Serine[L], a-Aminoadipic Acid,
Asparagine[L], Aspartic Acid[L], Citrulline, Glutamic Acid[L], Glutamine[.

PSD: 27.59
PSS: -19.51

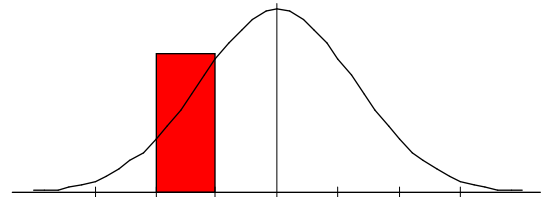
Ammonia influences a cell's ability to create energy. This panel shows your body's ability to rid excess ammonia buildup and maintain a healthy energy cycle. A profile like this may show you're not eating enough protein, you're unable to digest properly, or you're eating a poor quality of proteins.

**CNS Metabolism**

Arginine, Tryptophan, GABA[L], Glycine[L], Serine[L], Taurine, Aspartic Acid[L], Glutamine[L], Ethanolamine, Phosphoethanolamine[L], Phospho.

PSD: 30.81
PSS: -27.47

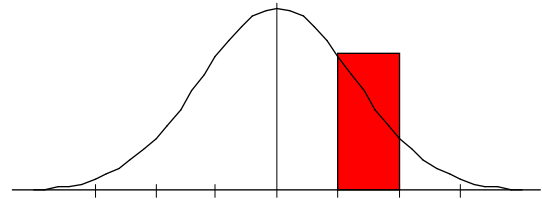
Amino acids are the basic building blocks of all the cells in our body. Amino acid metabolism is important for proper functioning of the nervous system. This profile may indicate poor central nervous system functioning. Symptoms include: memory loss, fatigue and poor concentration.

**Connective Tissue**

Leucine, Methionine, Valine, Cystine[H], Hydroxyproline[H], 3-Methylhistidine[H], Proline.

PSD: 47.72
PSS: 32.49

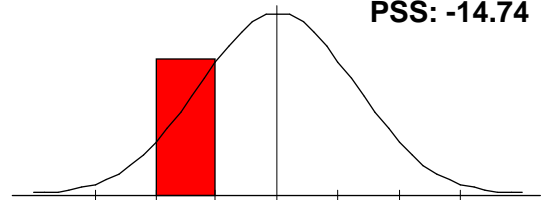
This panel shows whether there's an adequate supply and metabolism of amino acids necessary to produce healthy connective tissue and collagen. Necessary for healthy bone, joints, hair, skin, and cartilage. This profile may indicate missing enzymes and co-factors necessary in the production of healthy connective tissue and collagen. Symptoms include: brittle hair, dry skin, increased joint aches and pain. Review protein intake and quality of proteins.

**Detoxification Markers**

Methionine, Cystine[H], Taurine, Glutamine[L], Glycine[L], Aspartic Acid[L].

PSD: 33.63
PSS: -14.74

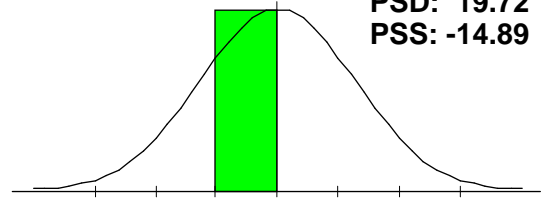
This panel reviews amino acids critical for proper detoxification. This includes detoxing medications, environmental toxins, and natural metabolic toxins. This profile may be indicative of an inability to properly detoxify. Personalized supplementation is suggested.

**Essential Amino Acid**

Arginine, Histidine, Isoleucine, Leucine, Lysine[L], Methionine, Phenylalanine[L], Threonine[L], Tryptophan, Valine.

PSD: 19.72
PSS: -14.89

This panel reviews the essential amino acids the body can't produce and must get from the diet. These amino acids are necessary for all body functions. This profile shows a percent imbalance below 25%, so no abnormalities were found.

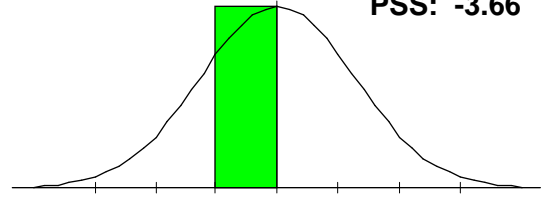


Fat Metabolism

Arginine, Isoleucine, Leucine, Valine, Taurine, Glutamine[L],
Sarcosine[H].

This panel shows your balance of amino acids critical to proper fat metabolism. Fat metabolism is important in many body functions. Improper metabolism can cause problems like hormonal issues and nerve disorders. This profile shows a percent imbalance below 25%, so no abnormalities were found.

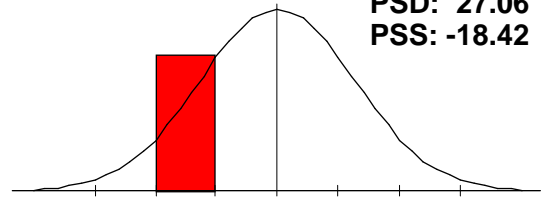
PSD: 23.07
PSS: -3.66

**Gluconeogen**

Threonine[L], Tryptophan, Glycine[L], Serine[L], Alanine.

This panel shows whether you have the proper amino acids in balance to control blood sugar levels. This profile may indicate blood sugar control issues such as hypoglycemia or diabetes.

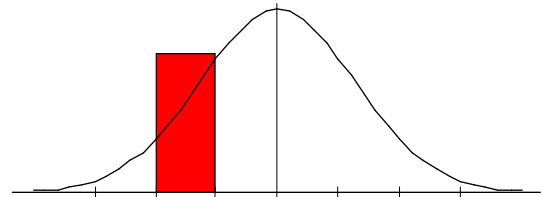
PSD: 27.06
PSS: -18.42

**Hepatic Metabolism**

Methionine, Taurine, Glutamine[L], Cystine[H], Cystathionine[L],
Homocystine, Alanine.

This panel shows whether you have adequate stores of the listed amino acids to optimize liver function. This is important because your liver is responsible for cleaning your blood of toxins. This profile may indicate you may not be consuming enough protein. Or that your liver is working so hard, it's using up these amino acids so quickly, it's outstripping your supply.

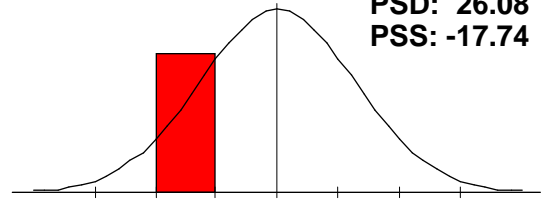
PSD: 30.24
PSS: -6.02

**Immune Metabolites**

Arginine, Threonine[L], Glutamine[L], Ornithine.

This panel shows whether you have adequate amounts of the listed amino acids to properly fight off viral or bacterial infections. This profile may indicate a weak immune function - making it difficult for you to fight off infections. This may be caused by a low dietary protein intake.

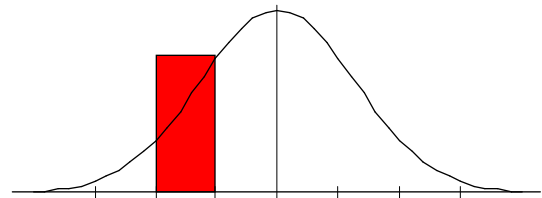
PSD: 26.08
PSS: -17.74

**Magnesium Dependents**

Citrulline, Ethanolamine, Phosphoethanolamine[L], Phosphoserine[L],
Serine[L], Methionine sulfoxide.

This panel shows whether you have adequate amounts of magnesium for proper amino acid function. Amino acids are extremely dependent on magnesium to function properly. This profile indicates a possible magnesium deficiency. Highly consider further laboratory testing to assess your magnesium levels.

PSD: 29.99
PSS: -23.32

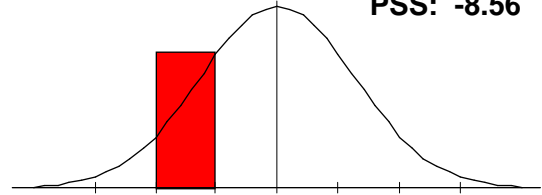


Muscle Metabolites

Anserine[L], Carnosine[L], 1-Methylhistidine, 3-Methylhistidine[H].

Amino acids are the basic building blocks critical in building muscle tissue. This profile indicates you may not be able to build muscle properly. Symptoms include: not recovering from injuries well, not building muscle when working out, general weakness, and an inability to lose weight. Consider reviewing your diet. You may need to increase dietary protein intake.

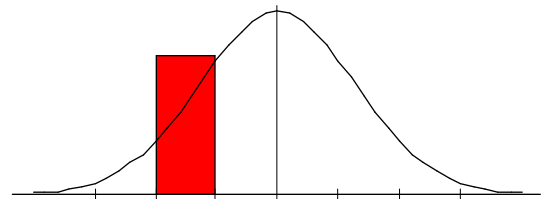
PSD: 41.44
PSS: -8.56

**Neuroendocrine Metab**

GABA[L], Glycine[L], Serine[L], Taurine, Tyrosine[L].

This panel shows whether you have enough of the listed amino acids necessary for the proper functioning of your endocrine system. The endocrine system comprises the control organs of the body such as: thymus, pancreas, and thyroid. This profile may indicate you don't have an adequate amount of the listed amino acids to support your endocrine system, which causes it to underfunction. This may be due to a low dietary intake of quality protein.

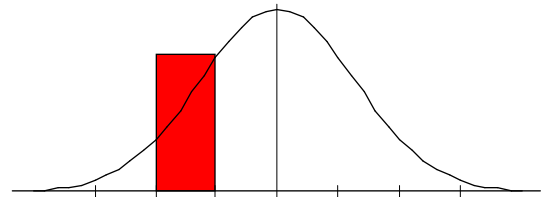
PSD: 33.90
PSS: -33.90

**Urea Cycle Metabolites**

Arginine, Aspartic Acid[L], Citrulline, Ornithine, Glutamine[L], Asparagine[L], Urea.

This panel shows your supply of the amino acids related to the urea cycle. This metabolic process helps you remove excess ammonia from your system. This profile indicates you don't have an adequate supply of the listed amino acids necessary to flush out excess ammonia. Excess ammonia can cause neurological issues. Review your Supplement List Explanation.

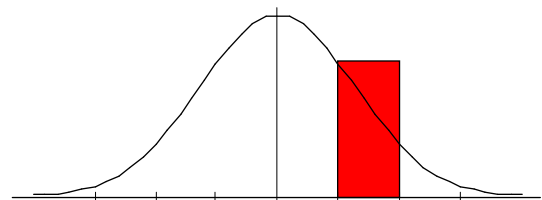
PSD: 26.07
PSS: -18.72

**Adrenal Function**

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

This panel assesses your production of adrenaline. Adrenaline affects your daily function, such as your ability to handle stress. This profile may be caused by a lack of essential nutrients to control adrenaline production. Symptoms include hyperactivity, poor circulation, fatigue and an inability to handle stress. This profile increases your risk for ADHD, hypertension, and cardiovascular disease.

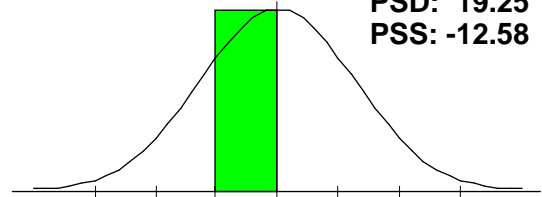
PSD: 29.13
PSS: 9.39

**Allergy**

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

This panel assesses your response to allergens from common sources such as foods, pets or pollens. This profile shows a percent imbalance below 25%, so no abnormalities were found.

PSD: 19.25
PSS: -12.58

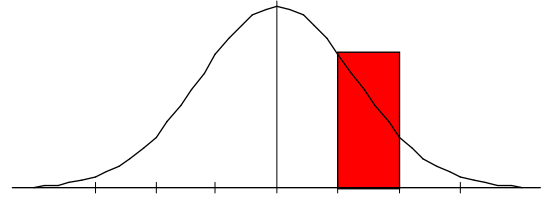


Athletic Potential

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

PSD: 34.76
PSS: 13.44

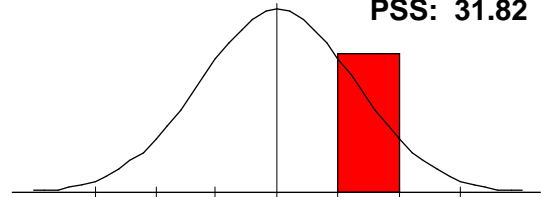
This panel assesses your athletic potential and your ability to recover from injury. Maintaining a normal range helps optimize performance. Athletes require more nutrients because they deplete their supplies faster. This profile shows you may be at high risk for heart attacks, injury and general poor performance. Highly consider a complete physical before starting any exercise routine.

**Biochemical Ratios**

A/G Ratio, B.U.N./Creatinine Ratio[H].

PSD: 43.99
PSS: 31.82

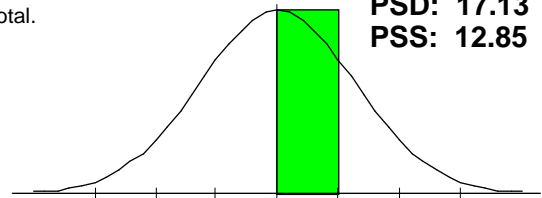
Ratios indicate your balance of chemistry. It's the ratios between your test results - not just how much you have of something - that indicate balance. This profile may indicate imbalances in your chemistry. This panel provides a good tracking mechanism for showing improvements in your biochemical status. Review your Supplement List Explanation.

**Bone/Joint**

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

PSD: 17.13
PSS: 12.85

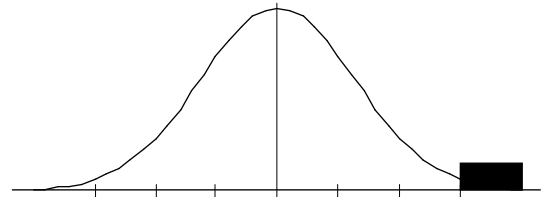
This panel helps assess bone and joint health. These markers show your body's ability to create healthy bones and joints. This profile shows a percent imbalance below 25%, so no abnormalities were found.

**Carbohydrate Metabolism**

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

PSD: 93.95
PSS: 78.45

This panel is helpful in assessing Type II Diabetic Risk and Hypoglycemic Risk. Maintaining a normal range may reduce your risk of blood sugar metabolism problems. This profile indicates poor carbohydrate metabolism, thus you are at high risk for Type II Diabetes, Insulin Resistance, and Metabolic Syndrome (Syndrome X). An elevated profile indicates the need for reviewing dietary and exercise habits and making the appropriate lifestyle changes. Additionally, a high profile suggests the need to assess liver function as this organ plays a pivotal role in carbohydrate metabolism.

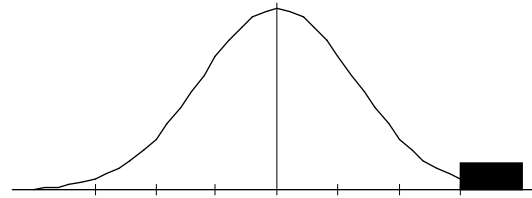


Cardiac Risk

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

PSD: 86.54**PSS: 67.04**

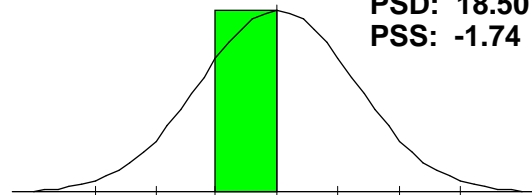
This panel is helpful in assessing cardiovascular disease risk. Maintaining a normal range may reduce your risk of cardiovascular disease (CVD). The profile may indicate you are at greater risk for CVD than the general population. A review of dietary, environmental and personal habits should be done and appropriate lifestyle changes made. If both triglycerides and cholesterol are elevated, a regime of exercise and dietary changes are more likely to exhibit benefits. Also review Supplement Explanation List. cholesterol are elevated, a regime of exercise and dietary changes are more likely to exhibit benefits.

**Cellular Production**

Alkaline Phosphatase, Anion Gap, Neutrophils[H], W.B.C..

PSD: 18.50**PSS: -1.74**

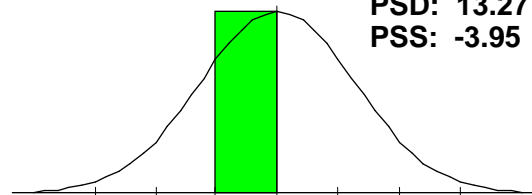
This panel may be helpful in determining your body's ability to properly produce healthy cells. This profile shows a percent imbalance below 25%, so no abnormalities were found.

**Electrolyte Balance**

Calcium, Chloride, CO2, Potassium, Sodium.

PSD: 13.27**PSS: -3.95**

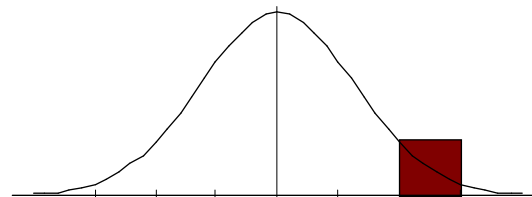
This panel represents the electrolyte balance in blood. Balance is critical in achieving optimal health. This profile shows a percent imbalance below 25%, so no abnormalities were found.

**Gastrointest. Function**

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

PSD: 50.80**PSS: 39.24**

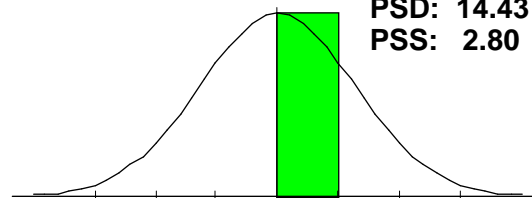
This panel helps assess gastrointestinal health. Keeping the elements listed in a normal range may improve digestion and the metabolism of proteins, fats and carbohydrates. This profile suggests the need for further evaluation of gastrointestinal integrity, digestion and absorption. Check for dysbiosis (bacterial overgrowth in the gut), food allergies or "leaky gut" syndrome.

**Hydration**

Albumin, Sodium, Potassium, Chloride, Calcium, CO2, Creatinine, B.U.N.[H].

PSD: 14.43**PSS: 2.80**

Hydration is a key factor in being and staying healthy. Imbalances in this panel can point out whether a person is dehydrated or over hydrated.



Panel/Subset Report

Anna Salanti

Female / Age: 63

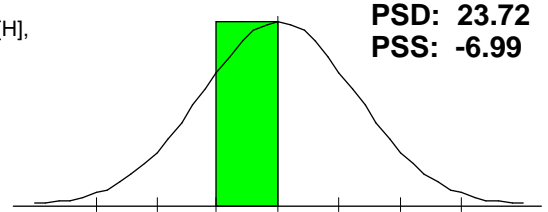
Foundational Wellness Profile Date: 11/30/2015

Anna Salanti (2718)

Immune Response

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

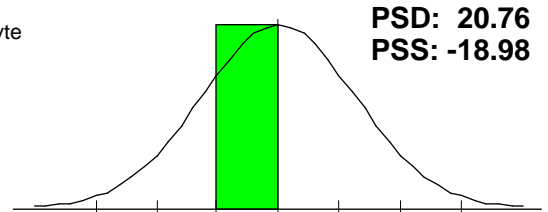
This panel helps assess immune system health. It shows the percentage of specific white blood cells needed for proper immune response. This profile shows a percent imbalance below 25%, so no abnormalities were found.



Immune Response Count

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

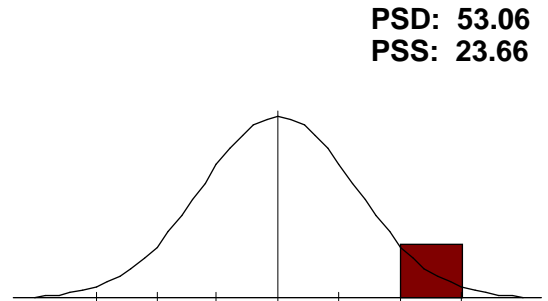
This panel helps assess immune system health. It shows how many specific white blood cells your body has for proper immune response. This profile shows a percent imbalance below 25%, so no abnormalities were found.



Inflammatory Process

Eosinophils, LDL[H], Monocytes, Lymphocytes[L], Neutrophils[H], W.B.C., Basophils[L].

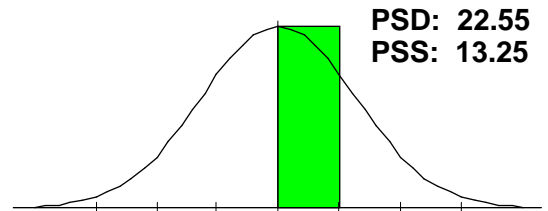
This panel helps assess any inflammatory processes that may be occurring in the body. This profile may show presence of an ongoing inflammatory process. Consider dietary changes such as avoiding saturated and trans fats. And review your Supplement Explanation List. We recommend the LEAP/MRT test to identify the foods and preservatives which may be increasing your inflammation.



Kidney Function

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

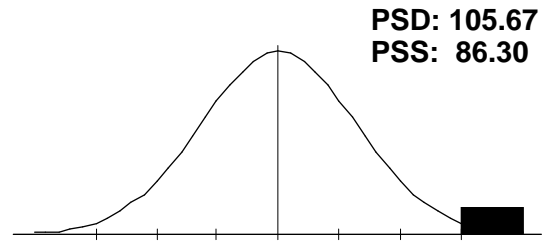
This panel helps assess kidney function. It is important to keep the elements of this subset in balance to help the body eliminate waste material. This profile shows a percent imbalance below 25%, so no abnormalities were found.



Lipid

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

Lipid assessment is important in helping achieve optimal wellness as well as reducing cardiovascular disease risk. The profile suggests you may be at higher risk for coronary heart disease than the general population. Review your diet and avoid trans and saturated fats. Plus refer to your Supplement List Explanation.

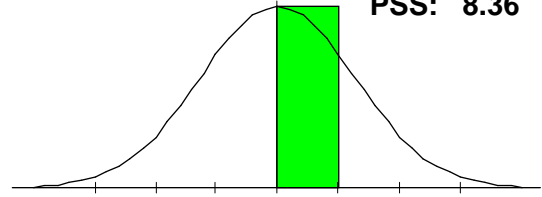


Liver Function

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

Assessing liver function helps determine your body's ability to detoxify environmental toxins, stress hormones, drugs and other chemical toxins. It also shows your ability to process amino acids and other important biological processes. This profile shows a percent imbalance below 25%, so no abnormalities were found.

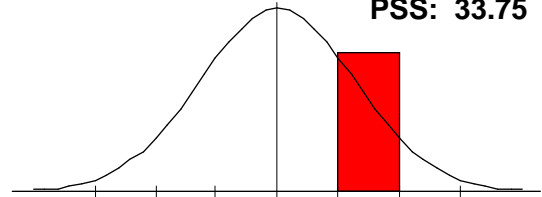
PSD: 15.27
PSS: 8.36

**Nitrogen**

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

Nitrogen is a major component of protein. This panel assesses if there's adequate protein in the diet and if the body metabolizes (uses) proteins properly. This profile suggests a review of the kidney function. The high reading may be caused by excessive protein intake or high gut bacteria. Consider running a cardiovascular risk assessment.

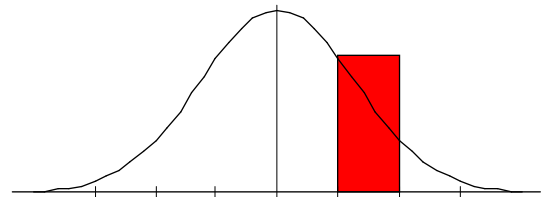
PSD: 36.08
PSS: 33.75

**Oxidative Stress**

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

Oxidation is like the rusting of cells. Reducing oxidation is critical for healthy cell function and to slow the aging process. This profile may indicate a need for more antioxidants. And shows you may need to make appropriate lifestyle changes (e.g.: quit smoking, quit/reduce alcohol, reduce stress, etc.). Consider supplementing with a varied, broad spectrum of antioxidants rather than one or two alone.

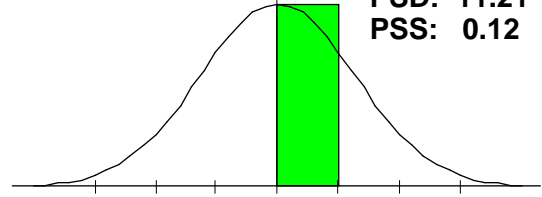
PSD: 36.32
PSS: 32.72

**Protein**

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

Proteins are the basic building blocks of all cells including: hormones, muscle, neurotransmitters, immune systems responses and more. Assessing their competency is crucial in achieving optimal wellness. This profile shows a percent imbalance below 25%, so no abnormalities were found.

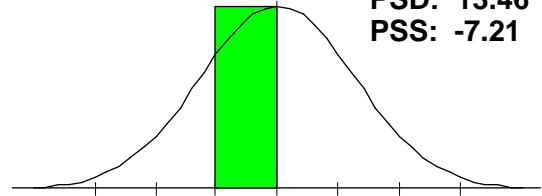
PSD: 11.21
PSS: 0.12

**Pulmonary Function**

Anion Gap, Calcium, CO2, Potassium, sGOT, Sodium.

This panel helps assess lung and respiratory function. This profile shows a percent imbalance below 25%, so no abnormalities were found.

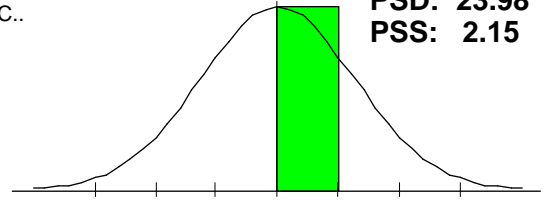
PSD: 13.46
PSS: -7.21



Red Blood Cell Health

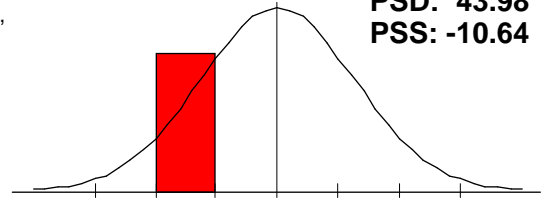
Hematocrit, Hemoglobin, MCH[H], MCHC, MCV[H], R.B.C.[L], W.B.C..

This panel assesses the production of red blood cells and their function. This profile shows a percent imbalance below 25%, so no abnormalities were found.

PSD: 23.98
PSS: 2.15
**B-Complex Markers**

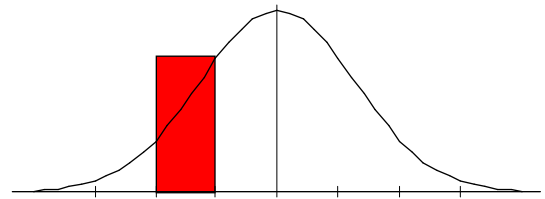
b-Hydroxyisovalerate[H], a-Ketoisovalerate[L], a-Ketoisocaproate[L], a-Keto-b-methylvalerate[L], Methylmalonate, Formiminoglutamic Acid[H],.

This panel assesses adequate intake of B-complex vitamins. This profile may indicate a poor amino acid metabolism or a lack of quality protein in the diet.

PSD: 43.98
PSS: -10.64
**BCAA Catabolism**

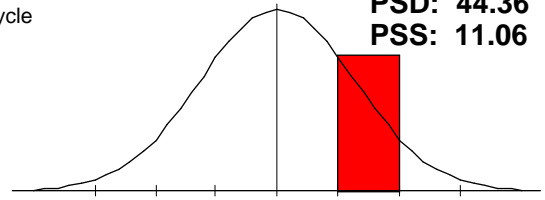
a-Ketoisovalerate[L], a-Ketoisocaproate[L], a-Keto-b-methylvalerate[L].

BCAA's are essential in building muscle and you can only get them from your diet or supplements. This panel assess your BCAA levels and how they're being used. This profile may indicate an inadequate supply of BCAAs. Consider supplementation. Note: supplementing with single branch chain amino acids is highly not recommended. All 3 branch chain amino acids (Isoleucine, Leucine and Valine) must be taken together.

PSD: 50.00
PSS: -50.00
**CAC Cycle Ratios**

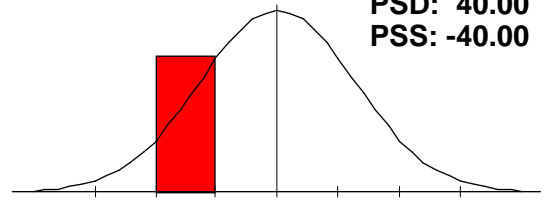
CA Cycle Phase 1[H], CA Cycle Phase 2, CA Cycle Phase 3, CA Cycle Phase 4[L], CA Cycle Return[L].

This panel reviews cellular energy producing cycles to maintain health and weight. This profile may indicate a heavy toxin load. Consider running additional environmental toxicity tests.

PSD: 44.36
PSS: 11.06
**Carbohydrate Metabolism**

Lactate, Pyruvate[L], a-Hydroxybutyrate[L], b-Hydroxybutyrate[L].

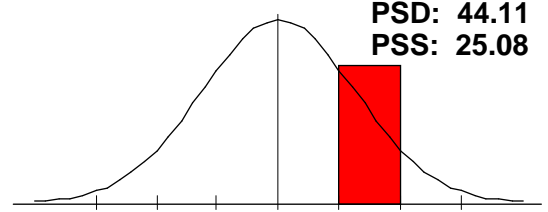
This panel assesses your body's ability to metabolize dietary carbohydrates. This profile could indicate a low carbohydrate intake. Symptoms include low energy and poor blood sugar control.

PSD: 40.00
PSS: -40.00


Energy Production

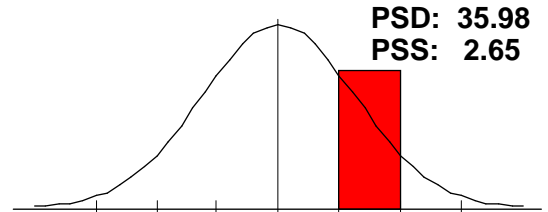
Citrate[H], cis-Aconitate, Isocitrate, a-Ketoglutarate, Succinate[H],
Fumarate[L], Malate[H], Hydroxymethylglutarate[H].

This panel reviews cellular energy producing cycles to maintain health and weight. This profile may indicate a breakdown in the Citric Acid Cycle. Review your Supplement List Explanation.

**Fatty Acid Metabolism**

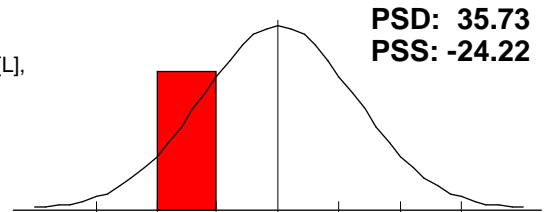
Adipate[L], Suberate[H], Ethylmalonate.

This panel assesses how fats are being broken down and utilized by the body. This profile may indicate a need for additional carnitine and riboflavin (B2) supplementation. Review your Supplement List Explanation.

**Intestinal Dysbiosis**

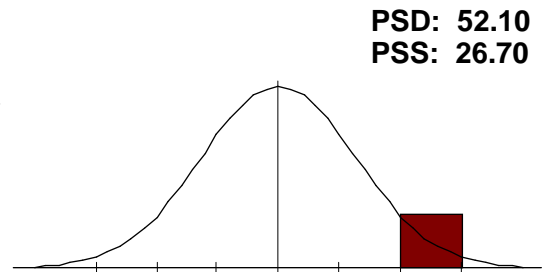
p-Hydroxyphenyllactate[H], Phenylacetate[L], Phenylpropionate[L],
Tricarballlylate[L], DHPP[L], Indican, p-Hydroxybenzoate, D-Lactate[L],
D-A.

Disbiosis is an overgrowth of bad bacteria in the gut. It is indicative of gut health. This profile suggests you have good gut health

**Liver Detox Indicators**

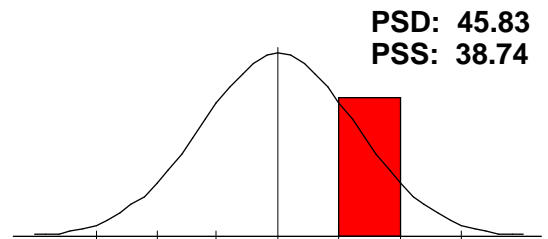
2-Methylhippurate[L], Glucarate[H], Orotate[H], Pyroglutamate,
Sulfate[H], a-Hydroxybutyrate[L].

This panel assesses how well your liver removes toxins from your system. This profile may indicate: high environmental toxins, improper regulation of cell growth, hereditary deficiencies, and a depressed ability of the liver to detoxify itself. Consider a detoxification protocol. Review your Supplement List Explanation..

**Neurotransmitters**

Vanilmandelate, Homovanillate, 5-Hydroxyindoleacetate[H],
Kynurenate[H], Quinolinate.

Neurotransmitters are chemicals the brain uses to make the entire neurological system function - including all body functions. This panel assesses neurotransmitter production. This profile may be caused by the use of SSRI's. This may lead to fatigue, depression, or anxiety.



Drug Interactions

Anna Salanti

Female / Age: 63

Foundational Wellness Profile Date: 11/30/2015

Anna Salanti (2718)

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	Acetaminophen(4)	Acetazolamide(3)	Acetohexamide(2)
Acyclovir(3)	Albuterol(2)	Allopurinol(3)	Amantadine
Amitriptyline(3)	Amphotericin B(3)	Ampicillin(3)	Antacids
Arginine(2)	Aspirin(7)	Azathioprine(3)	Benziodarone
Busulfan(2)	Caffeine	Carbamazepine(5)	Carbenoxolone(2)
Carbromal	Carbutamide(2)	Cephaloridine(3)	Chloral hydrate(2)
Chlordiazepoxide	Chlorpromazine(4)	Chlorpropamide(3)	Chlorthalidone(5)
Clindamycin(2)	Clofibrate(3)	Clonidine(4)	Clopamide(2)
Codeine(2)	Colchicine(4)	Colistin	Corticosteroids(3)
Cortisol	Cortisone(4)	Cycloserine(3)	Desipramine(2)
Dextran(2)	Diazepam(2)	Diazoxide	Diclofenac(3)
Diphenylhydantoin	Echinomycin(2)	Erythromycin	Estrogens
Ethacrynic Acid(2)	Ethionamide(2)	Fenoprofen(2)	Fluconazole
Fluorouracil(2)	Fluphenazine(2)	Flurazepam	Furazolidone(2)
Furosemide(5)	G-CSF	Gemfibrozil	Gentamicin(3)
Griseofulvin(2)	Guanethidine(2)	Haloperidol(3)	Hydralazine(2)
Hydrocortisone(2)	Hydroxyurea(3)	Ibuprofen(5)	Imipramine(4)
Indomethacin(4)	Isoproterenol	Itraconazole(2)	Kanamycin(2)
Ketocanazole	Ketoprofen	Levodopa(3)	Levonorgestrel(2)
Levothyroxine(2)	Lincomycin	Lithium Carbonate(7)	Lovastatin(2)
MAO Inhibitors(2)	Melphalen	Mercaptopurine(3)	Methazolamide
Methicillin(2)	Methimazole(3)	Methotrexate(4)	Methyldopa(5)
Methylthiouracil(2)	Miconazole(2)	Mitoxantrone(2)	Morphine(3)
Nafarelin	Naproxen(2)	Neomycin(3)	Nifedipine(2)
Nitrofurantoin(4)	Norethisterone	Novobiocin(2)	Ofloxacin(3)
Oxazepam	Paraldehyde(2)	Paramethadione(4)	Paromomycin
Penicillamine(4)	Penicillin	Phenelzine(2)	Phenobarbital(4)
Phenylbutazone(5)	Phenytoin(5)	Piroxicam(3)	Plicamycin(2)
Polythiazide(4)	Pravastatin(2)	Prednisone(4)	Probenecid(3)
Procainamide(3)	Procarbazine	Progesterone	Progestins
Promethazine	Propoxyphene	Propranolol(4)	Propylthiouracil(2)
Protriptyline(2)	Prozac	Reserpine(2)	Rifampin(3)
Salicylates	Sildenafil(3)	Simvastatin	Spectinomycin(2)
Streptokinase	Streptomycin(2)	Sulfamethizole(2)	Sulfamethoxazole(2)
Sulfasalazine(2)	Sulfisoxazole(2)	Tadalafil(3)	Tamoxifen(2)
Tetracycline(3)	Thiothixene(3)	Tolazamide(2)	Tranlycypromine
Triameterene(3)	Trimethadione(4)	Troleandomycin	Valproic Acid
Vancomycin	Vardenafil(3)	Vasopressin	Viomycin

Nutrition - Detail

Anna Salanti

Foundational Wellness Profile Date: 11/30/2015

Female / Age: 63

Anna Salanti (2718)

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 your qualified health care professional.

1-5-HTP 3x daily 100 mg

5-Hydroxytryptophan is indicated due to the high level of 5-HIAA in urine which suggests serotonin catabolism and a possible loss of tryptophan reserves.

Decreased

Rationale

Normal

Increased

5-Hydroxyindoleacetate

1-CoEnzyme Q10 2x daily 100 mg

CoEnzyme Q10 is an essential component of the mitochondria of the energy producing unit of the cell. Its beneficial effects include increased energy, as well as prevention of cardiovascular disease and cancer. Clinical responses may take up to 8 weeks according to some research so patience is necessary during supplementation.

Decreased

Normal

Increased

Hydroxymethylglutarate

Succinate
Malate

1-Digestive Enzymes With meals

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

Decreased

Normal

Increased

Glucose
Triglycerides

1-Folic Acid 2x daily 800 mcg

Adult: 800 mcg 2x daily Children 800 mcg 1x daily

A folic acid deficiency may lead to a buildup of this organic acid which is created through the metabolism of histidine.

Decreased

Normal

Increased

Formiminoglutamic Acid

1-Oral Electrolyte - Balanced Formula 2x daily

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

Increased

Potassium
CO2
Sodium

2-Glycine 2x daily 1000 mg

Glycine is an important amino acid and is necessary in phase II detoxification as it is a component of hippurate through its binding with benzoate.

Decreased

Normal

Increased

Benzoate

Hippurate

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

LDL
Cholesterol

H - Ginseng (Panax) 1 - 3 times daily

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

Normal

Increased

Glucose

H - Milk thistle 1 - 3 times daily

The herb milk thistle (Silybum marianum) has been reported to be effective in improving liver function. As with all herbs, caution should be taken with its use. Use only under the direction of a health care practitioner if you have chronic liver disease.

Decreased

Normal

Increased

sGOT

sGPT

Clinical Correlation

Anna Salanti

Foundational Wellness Profile Date: 11/30/2015

Female / Age: 63

Anna Salanti (2718)

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.

Impaired Ca+ and Zn Transport ()

100.00% (2 of 2)

Decreased

Normal

Increased

-50.00 Anserine

-50.00 Carnosine

Syndrome X ()

100.00% (4 of 4)

Decreased

Normal

Increased

-38.75 HDL-Cholesterol

47.06 Glucose

54.62 Triglycerides

218.33 LDL

Review Cardiovascular Risk Factors ()

66.67% (4 of 6)

Decreased

Normal

Increased

-38.75 HDL-Cholesterol

111.00 Cholesterol

47.06 Glucose

54.62 Triglycerides

n/a Uric Acid

218.33 LDL

Review family history or personal history of cardiovascular risk factors such as smoking, excessive alcohol intake, high fat diet, and/or sedentary lifestyle.

Comparison Progress Report

Anna Salanti

Female / Age: 63

Foundational Wellness Profile Date: 11/30/2015

Anna Salanti (2718)

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

	Status % on:	5/19/2015	11/30/2015	+/- change
Arginine	-73.44	L	-6.47	+ 66.97
Tryptophan	56.67	H	7.50	+ 49.17
1-Methylhistidine	-39.31	L	4.67	+ 34.64
a-Aminoadipic Acid	50.00	H	16.67	+ 33.33
Homocystine	41.67	H	14.00	+ 27.67
Hydroxyproline	18.75		146.30 H	- 127.55
Cystine	-13.95		56.67 H	- 42.72
Sarcosine	8.68		51.25 H	- 42.57
Glutamine	8.47		-42.59 L	- 34.13
a-Amino-N-Butyric Acid	7.14		-38.00 L	- 30.86
Lysine	-1.72		-31.82 L	- 30.09
Carnosine	-20.83		-50.00 L	- 29.17

Comparison Report






























Anna Salanti

Female / Age: 63

Foundational Wellness Profile Date: 11/30/2015

Anna Salanti (2718)

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:	5/19/2015	11/30/2015
-39.31  4.67	+	1-Methylhistidine	-39.31 L	4.67
47.30  61.11	-	3-Methylhistidine	47.30 H	61.11 H
16.67  50.00	+	a-Aminoadipic Acid	50.00 H	16.67
-38.00  7.14	-	a-Amino-N-Butyric Acid	7.14	-38.00 L
14.10  30.00	+	Alanine	30.00 H	14.10
		Anserine	44.44 H	-50.00 L
-73.44  -6.47	+	Arginine	-73.44 L	-6.47
-59.38  -50.00	+	Asparagine	-59.38 L	-50.00 L
		Aspartic Acid	-34.31 L	-41.03 L
		b-Alanine	0.00	-1.00
-50.00  -20.83	-	Carnosine	-20.83	-50.00 L
		Citrulline	10.87	9.09
-50.00  33.33	-	Cystathionine	33.33 H	-50.00 L
-13.95  56.67	-	Cystine	-13.95	56.67 H
		Ethanolamine	16.67	10.91
		GABA	46.67 H	-50.00 L
-36.92  -17.96	-	Glutamic Acid	-17.96	-36.92 L
-42.59  8.47	-	Glutamine	8.47	-42.59 L
		Glycine	-23.45	-27.14 L
-38.24  -20.00	+	Histidine	-38.24 L	-20.00
14.00  41.67	+	Homocystine	41.67 H	14.00
18.75  146.30	-	Hydroxyproline	18.75	146.30 H
-21.43  -13.49	+	Isoleucine	-21.43	-13.49
-16.67  -8.44	-	Leucine	-8.44	-16.67
-31.82  -1.72	-	Lysine	-1.72	-31.82 L
		Methionine	-20.59	-20.00
-40.00  16.67	+	Ornithine	-40.00 L	16.67
-26.00  1.72	-	Phenylalanine	1.72	-26.00 L
-32.61  -10.87	-	Phosphoethanolamine	-10.87	-32.61 L
-58.33  46.00	-	Phosphoserine	46.00 H	-58.33 L
-29.38  -16.67	+	Proline	-29.38 L	-16.67
8.68  51.25	-	Sarcosine	8.68	51.25 H
-48.00  -28.46	-	Serine	-28.46 L	-48.00 L
		Taurine	10.32	-14.35
-59.52  -38.57	+	Threonine	-59.52 L	-38.57 L
7.50  56.67	+	Tryptophan	56.67 H	7.50
-30.00  -7.14	-	Tyrosine	-7.14	-30.00 L
-2.35  16.67	-	Valine	-2.35	16.67
		Total Status Deviation	27.93	33.44
		Total Status Skew	0.39	-10.73

Comparison Progress Report

Anna Salanti

Female / Age: 63

Foundational Wellness Profile Date: 11/30/2015

Anna Salanti (2718)

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

	Status % on:	5/19/2015	11/30/2015	+/- change
Hemoglobin		147.14 H	-8.33	+ 138.81
Hematocrit		150.00 H	-14.55	+ 135.45
R.B.C.		93.08 H	-32.78 L	+ 60.30
B.U.N.		71.43 H	28.95 H	+ 42.48
Bilirubin, Total		50.00 H	10.00	+ 40.00
CO2		-33.33 L	-8.33	+ 25.00
LDL		117.65 H	218.33 H	- 100.69
Cholesterol		50.00 H	111.00 H	- 61.00
sGPT		-7.14	38.24 H	- 31.09
Glucose		17.65	47.06 H	- 29.41
B.U.N./Creatinine Ratio		47.27 H	75.80 H	- 28.54

Comparison Report

Anna Salanti

Female / Age: 63

Foundational Wellness Profile Date: 11/30/2015

Anna Salanti (2718)

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:	5/19/2015	11/30/2015
	A/G Ratio		14.29	-12.17
16.67 ← 34.62	+ Albumin		34.62 H	16.67
-31.43 → -10.71	+ Alkaline Phosphatase		-31.43 L	-10.71
-9.00 ← 20.00	+ Anion Gap		20.00	-9.00
28.95 ← 71.43	+ B.U.N.		71.43 H	28.95 H
47.27 → 75.80	- B.U.N./Creatinine Ratio		47.27 H	75.80 H
-33.33 ← -20.00	- Basophils		-20.00	-33.33 L
10.00 ← 50.00	+ Bilirubin, Total		50.00 H	10.00
	Calcium		-11.90	18.75
4.55 ← 13.64	+ Chloride		13.64	4.55
50.00 → 111.00	- Cholesterol		50.00 H	111.00 H
-33.33 → -8.33	+ CO2		-33.33 L	-8.33
-3.49 ← 23.00	+ Creatinine		23.00	-3.49
	Eosinophils		-7.14	-12.86
-23.33 → -10.00	+ Globulin		-23.33	-10.00
17.65 → 47.06	- Glucose		17.65	47.06 H
-38.75 ← -22.00	- HDL-Cholesterol		-22.00	-38.75 L
-14.55 ← 150.00	+ Hematocrit		150.00 H	-14.55
-8.33 ← 147.14	+ Hemoglobin		147.14 H	-8.33
117.65 → 218.33	- LDL		117.65 H	218.33 H
-35.94 ← -24.69	- Lymphocytes		-24.69	-35.94 L
28.70 → 42.28	- MCH		28.70 H	42.28 H
	MCHC		1.85	1.81
35.59 → 47.37	- MCV		35.59 H	47.37 H
6.67 → 16.67	- Monocytes		6.67	16.67
24.12 → 33.53	- Neutrophils		24.12	33.53 H
	Potassium		-20.59	-14.71
-14.00 → 6.00	+ Protein, Total		-14.00	6.00
-32.78 ← 93.08	+ R.B.C.		93.08 H	-32.78 L
-10.00 ← -1.43	- sGOT		-1.43	-10.00
-7.14 → 38.24	- sGPT		-7.14	38.24 H
	Sodium		-20.00	-20.00
54.62 ← 69.29	+ Triglycerides		69.29 H	54.62 H
-20.77 ← 13.08	- W.B.C.		13.08	-20.77
	Total Status Deviation		34.28	29.28
	Total Status Skew		20.08	8.58

Comparison Progress Report

Anna Salanti

Female / Age: 63

Foundational Wellness Profile Date: 11/30/2015

Anna Salanti (2718)

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

	Status % on: 5/19/2015		11/30/2015		+/- change
Succinate	207.76	H	29.31	H	+ 178.45
p-Hydroxyphenyllactate	137.18	H	34.62	H	+ 102.56
Lactate	84.37	H	-10.00		+ 74.37
cis-Aconitate	50.00	H	-1.52		+ 48.48
Methylmalonate	-50.00	L	-20.59		+ 29.41
a-Ketoglutarate	-50.00	L	21.05		+ 28.95
p-Hydroxybenzoate	40.91	H	-13.64		+ 27.27
Quinolate	27.50	H	-2.50		+ 25.00
CA Cycle Phase 1	59.80	H	138.53	H	- 78.73
Orotate	-50.00	L	99.28	H	- 49.28
Sulfate	25.09	H	73.04	H	- 47.95
Formiminoglutamic Acid	50.00	H	91.67	H	- 41.67
Phenylacetate	22.73		-50.00	L	- 27.27
8-Hydroxy-2-deoxyguan	4.72		-31.13	L	- 26.42

Comparison Report





























Anna Salanti

Female / Age: 63

Foundational Wellness Profile Date: 11/30/2015

Anna Salanti (2718)

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:	5/19/2015	11/30/2015
-26.19  15.48	-	2-Methylhippurate	15.48	-26.19 L
161.43  184.29	+	5-Hydroxyindoleacetate	184.29 H	161.43 H
-31.13  4.72	-	8-Hydroxy-2-deoxyguan	4.72	-31.13 L
-50.00  -33.87	-	Adipate	-33.87 L	-50.00 L
		a-Hydroxybutyrate	-50.00 L	-50.00 L
		a-Keto-b-methylvalerate	-50.00 L	-50.00 L
-50.00  21.05	+	a-Ketoglutarate	-50.00 L	21.05
		a-Ketoisocaproate	-50.00 L	-50.00 L
		a-Ketoisovalerate	-50.00 L	-50.00 L
		Benzoate	-50.00 L	-50.00 L
		b-Hydroxybutyrate	-50.00 L	-50.00 L
14.47  25.00	-	b-Hydroxyisovalerate	14.47	25.00 H
-1.52  50.00	+	cis-Aconitate	50.00 H	-1.52
42.48  57.34	-	Citrate	42.48 H	57.34 H
		D-Arabinitol	-16.67	-16.67
		DHPP	-50.00 L	-50.00 L
-39.47  -28.95	-	D-Lactate	-28.95 L	-39.47 L
22.22  36.11	+	Ethylmalonate	36.11 H	22.22
50.00  91.67	-	Formiminoglutamic Acid	50.00 H	91.67 H
		Fumarate	-50.00 L	-50.00 L
43.65  54.76	-	Glucarate	43.65 H	54.76 H
83.58  95.07	-	Hippurate	83.58 H	95.07 H
0.00  10.53	+	Homovanillate	10.53	0.00
33.33  41.67	+	Hydroxymethylglutarate	41.67 H	33.33 H
		Indican	-10.94	17.19
-24.58  14.41	-	Isocitrate	14.41	-24.58
50.00  70.00	+	Kynurenate	70.00 H	50.00 H
-10.00  84.37	+	Lactate	84.37 H	-10.00
		Malate	142.86 H	135.71 H
-50.00  -20.59	+	Methylmalonate	-50.00 L	-20.59
-50.00  99.28	-	Orotate	-50.00 L	99.28 H
-50.00  22.73	-	Phenylacetate	22.73	-50.00 L
		Phenylpropionate	-50.00 L	-50.00 L
-13.64  40.91	+	p-Hydroxybenzoate	40.91 H	-13.64
		P-Hydroxyphenylacetate	-2.63	2.63
34.62  137.18	+	p-Hydroxyphenyllactate	137.18 H	34.62 H
		Pyroglutamate	2.54	9.32
		Pyruvate	-50.00 L	-50.00 L
-2.50  27.50	+	Quinolinat	27.50 H	-2.50
-11.90  35.71	-	Suberate	-11.90	35.71 H
29.31  207.76	+	Succinate	207.76 H	29.31 H
25.09  73.04	-	Sulfate	25.09 H	73.04 H
		Tricarballylate	-50.00 L	-50.00 L
-23.91  -15.22	+	Vanilmandelate	-23.91	-15.22
		Xanthurenate	-20.59	-20.59
		Total Status Deviation	48.13	42.94
		Total Status Skew	8.36	2.72

Panel/Subset Comparison Report

Anna Salanti
Female / Age: 63

Foundational Wellness Profile Date: 11/30/2015

Anna Salanti (2718)

Ammonia/Energy	5/19/2015		11/30/2015	+/-	
Arginine	-73.44	L	-6.47	+	-73.44 → -6.47
Threonine	-59.52	L	-38.57	L +	-59.52 → -38.57
Glycine	-23.45		-27.14	L	
Serine	-28.46	L	-48.00	L -	-48.00 ← -28.46
a-Aminoadipic Acid	50.00	H	16.67	+	16.67 ← 50.00
Asparagine	-59.38	L	-50.00	L +	-59.38 → -50.00
Aspartic Acid	-34.31	L	-41.03	L	
Citrulline	10.87		9.09		
Glutamic Acid	-17.96		-36.92	L -	-36.92 ← -17.96
Glutamine	8.47		-42.59	L -	-42.59 ← 8.47
Ornithine	-40.00	L	16.67	+	-40.00 → 16.67
a-Amino-N-Butyric Acid	7.14		-38.00	L -	-38.00 ← 7.14
Alanine	30.00	H	14.10	+	14.10 ← 30.00
b-Alanine	0.00		-1.00		
PSS / PSD	-16.43 / 31.64		-19.51 / 27.59		

CNS Metabolism	5/19/2015		11/30/2015	+/-	
Arginine	-73.44	L	-6.47	+	-73.44 → -6.47
Tryptophan	56.67	H	7.50	+	7.50 ← 56.67
GABA	46.67	H	-50.00	L	
Glycine	-23.45		-27.14	L	
Serine	-28.46	L	-48.00	L -	-48.00 ← -28.46
Taurine	10.32		-14.35		
Aspartic Acid	-34.31	L	-41.03	L	
Glutamine	8.47		-42.59	L -	-42.59 ← 8.47
Ethanolamine	16.67		10.91		
Phosphoethanolamine	-10.87		-32.61	L -	-32.61 ← -10.87
Phosphoserine	46.00	H	-58.33	L -	-58.33 ← 46.00
PSS / PSD	1.30 / 32.30		-27.47 / 30.81		

Connective Tissue	5/19/2015		11/30/2015	+/-	
Leucine	-8.44		-16.67	-	-16.67 ← -8.44
Methionine	-20.59		-20.00		
Valine	-2.35		16.67	-	-2.35 → 16.67
Cystine	-13.95		56.67	H -	-13.95 → 56.67
Hydroxyproline	18.75		146.30	H -	18.75 → 146.30
3-Methylhistidine	47.30	H	61.11	H -	47.30 → 61.11
Proline	-29.38	L	-16.67	+	-29.38 → -16.67
PSS / PSD	4.75 / 23.43		32.49 / 47.72		










Detoxification Markers	5/19/2015		11/30/2015	+/-	
Methionine	-20.59		-20.00		
Cystine	-13.95		56.67	H -	-13.95 → 56.67
Taurine	10.32		-14.35		
Glutamine	8.47		-42.59	L -	-42.59 ← 8.47
Glycine	-23.45		-27.14	L	
Aspartic Acid	-34.31	L	-41.03	L	
PSS / PSD	-12.25 / 18.51		-14.74 / 33.63		







Panel/Subset Comparison Report





Anna Salanti
Female / Age: 63






Foundational Wellness Profile Date: 11/30/2015





Anna Salanti (2718)

Essential Amino Acid	5/19/2015	11/30/2015	+/-	
Arginine	-73.44 L	-6.47 +		-73.44  -6.47
Histidine	-38.24 L	-20.00 +		-38.24  -20.00
Isoleucine	-21.43	-13.49 +		-21.43  -13.49
Leucine	-8.44	-16.67 -		-16.67  -8.44
Lysine	-1.72	-31.82 L -		-31.82  -1.72
Methionine	-20.59	-20.00		
Phenylalanine	1.72	-26.00 L -		-26.00  1.72
Threonine	-59.52 L	-38.57 L +		-59.52  -38.57
Tryptophan	56.67 H	7.50 +		7.50  56.67
Valine	-2.35	16.67 -		-2.35  16.67
PSS / PSD	-16.73 / 28.41	-14.89 / 19.72		

Fat Metabolism	5/19/2015	11/30/2015	+/-	
Arginine	-73.44 L	-6.47 +		-73.44  -6.47
Isoleucine	-21.43	-13.49 +		-21.43  -13.49
Leucine	-8.44	-16.67 -		-16.67  -8.44
Valine	-2.35	16.67 -		-2.35  16.67
Taurine	10.32	-14.35		
Glutamine	8.47	-42.59 L -		-42.59  8.47
Sarcosine	8.68	51.25 H -		8.68  51.25
PSS / PSD	-11.17 / 19.02	-3.66 / 23.07		

Gluconeogen	5/19/2015	11/30/2015	+/-	
Threonine	-59.52 L	-38.57 L +		-59.52  -38.57
Tryptophan	56.67 H	7.50 +		7.50  56.67
Glycine	-23.45	-27.14 L		
Serine	-28.46 L	-48.00 L -		-48.00  -28.46
Alanine	30.00 H	14.10 +		14.10  30.00
PSS / PSD	-4.95 / 39.62	-18.42 / 27.06		

Hepatic Metabolism	5/19/2015	11/30/2015	+/-	
Methionine	-20.59	-20.00		
Taurine	10.32	-14.35		
Glutamine	8.47	-42.59 L -		-42.59  8.47
Cystine	-13.95	56.67 H -		-13.95  56.67
Cystathionine	33.33 H	-50.00 L -		-50.00  33.33
Homocystine	41.67 H	14.00 +		14.00  41.67
Alanine	30.00 H	14.10 +		14.10  30.00
PSS / PSD	12.75 / 22.62	-6.02 / 30.24		

Immune Metabolites	5/19/2015	11/30/2015	+/-	
Arginine	-73.44 L	-6.47 +		-73.44  -6.47
Threonine	-59.52 L	-38.57 L +		-59.52  -38.57
Glutamine	8.47	-42.59 L -		-42.59  8.47
Ornithine	-40.00 L	16.67 +		-40.00  16.67
PSS / PSD	-41.12 / 45.36	-17.74 / 26.08		

Panel/Subset Comparison Report

Anna Salanti
Female / Age: 63

Foundational Wellness Profile Date: 11/30/2015

Anna Salanti (2718)

Magnesium Dependents	5/19/2015	11/30/2015	+/-	
Citrulline	10.87	9.09		
Ethanolamine	16.67	10.91		
Phosphoethanolamine	-10.87	-32.61 L	-	-32.61 ← -10.87
Phosphoserine	46.00 H	-58.33 L	-	-58.33 ← 46.00
Serine	-28.46 L	-48.00 L	-	-48.00 ← -28.46
PSS / PSD	6.84 / 22.57	-23.32 / 29.99		

Muscle Metabolites	5/19/2015	11/30/2015	+/-	
Anserine	44.44 H	-50.00 L		
Carnosine	-20.83	-50.00 L	-	-50.00 ← -20.83
1-Methylhistidine	-39.31 L	4.67	+	-39.31 → 4.67
3-Methylhistidine	47.30 H	61.11 H	-	47.30 → 61.11
PSS / PSD	7.90 / 37.97	-8.56 / 41.44		

Neuroendocrine Metab	5/19/2015	11/30/2015	+/-	
GABA	46.67 H	-50.00 L		
Glycine	-23.45	-27.14 L		
Serine	-28.46 L	-48.00 L	-	-48.00 ← -28.46
Taurine	10.32	-14.35		
Tyrosine	-7.14	-30.00 L	-	-30.00 ← -7.14
PSS / PSD	-0.41 / 23.21	-33.90 / 33.90		

Urea Cycle Metabolites	5/19/2015	11/30/2015	+/-	
Arginine	-73.44 L	-6.47	+	-73.44 → -6.47
Aspartic Acid	-34.31 L	-41.03 L		
Citrulline	10.87	9.09		
Ornithine	-40.00 L	16.67	+	-40.00 → 16.67
Glutamine	8.47	-42.59 L	-	-42.59 ← 8.47
Asparagine	-59.38 L	-50.00 L	+	-59.38 → -50.00
PSS / PSD	-31.30 / 37.74	-18.72 / 26.07		

Adrenal Function	5/19/2015	11/30/2015	+/-	
Cholesterol	50.00 H	111.00 H	-	50.00 → 111.00
Eosinophils	-7.14	-12.86		
Eosinophil Count	10.75	-11.65		
Potassium	-20.59	-14.71		
Sodium	-20.00	-20.00		
Chloride	13.64	4.55	+	4.55 ← 13.64
PSS / PSD	4.44 / 20.35	9.39 / 29.13		

Allergy	5/19/2015	11/30/2015	+/-	
Eosinophils	-7.14	-12.86		
Globulin	-23.33	-10.00	+	-23.33 → -10.00
Lymphocytes	-24.69	-35.94 L	-	-35.94 ← -24.69
Monocytes	6.67	16.67	-	6.67 → 16.67
W.B.C.	13.08	-20.77	-	-20.77 ← 13.08
PSS / PSD	-7.08 / 14.98	-12.58 / 19.25		

Panel/Subset Comparison Report

Anna Salanti
Female / Age: 63

Foundational Wellness Profile Date: 11/30/2015

Anna Salanti (2718)

Athletic Potential	5/19/2015		11/30/2015		+/-	
B.U.N./Creatinine Ratio	47.27	H	75.80	H	-	47.27 → 75.80
Cholesterol	50.00	H	111.00	H	-	50.00 → 111.00
CO2	-33.33	L	-8.33		+	-33.33 → -8.33
Creatinine	23.00		-3.49		+	-3.49 ← 23.00
Potassium	-20.59		-14.71			
Protein, Total	-14.00		6.00		+	-14.00 → 6.00
Sodium	-20.00		-20.00			
HDL-Cholesterol	-22.00		-38.75	L	-	-38.75 ← -22.00
PSS / PSD	1.29 / 28.77		13.44 / 34.76			

Biochemical Ratios	5/19/2015		11/30/2015		+/-	
A/G Ratio	14.29		-12.17			
B.U.N./Creatinine Ratio	47.27	H	75.80	H	-	47.27 → 75.80
PSS / PSD	26.77 / 26.77		31.82 / 43.99			

Bone/Joint	5/19/2015		11/30/2015		+/-	
Albumin	34.62	H	16.67		+	16.67 ← 34.62
Alkaline Phosphatase	-31.43	L	-10.71		+	-31.43 → -10.71
Calcium	-11.90		18.75			
Neutrophils	24.12		33.53	H	-	24.12 → 33.53
Protein, Total	-14.00		6.00		+	-14.00 → 6.00
PSS / PSD	0.28 / 23.21		12.85 / 17.13			

Carbohydrate Metabolism	5/19/2015		11/30/2015		+/-	
Glucose	17.65		47.06	H	-	17.65 → 47.06
HDL-Cholesterol	-22.00		-38.75	L	-	-38.75 ← -22.00
LDL	117.65	H	218.33	H	-	117.65 → 218.33
Cholesterol	50.00	H	111.00	H	-	50.00 → 111.00
Triglycerides	69.29	H	54.62	H	+	54.62 ← 69.29
PSS / PSD	46.52 / 55.32		78.45 / 93.95			

Cardiac Risk	5/19/2015		11/30/2015		+/-	
Cholesterol	50.00	H	111.00	H	-	50.00 → 111.00
sGOT	-1.43		-10.00		-	-10.00 ← -1.43
Triglycerides	69.29	H	54.62	H	+	54.62 ← 69.29
HDL-Cholesterol	-22.00		-38.75	L	-	-38.75 ← -22.00
LDL	117.65	H	218.33	H	-	117.65 → 218.33
PSS / PSD	42.70 / 52.07		67.04 / 86.54			

Cellular Production	5/19/2015		11/30/2015		+/-	
Alkaline Phosphatase	-31.43	L	-10.71		+	-31.43 → -10.71
Anion Gap	20.00		-9.00		+	-9.00 ← 20.00
Neutrophils	24.12		33.53	H	-	24.12 → 33.53
W.B.C.	13.08		-20.77		-	-20.77 ← 13.08
PSS / PSD	6.44 / 22.16		-1.74 / 18.50			

Panel/Subset Comparison Report

Anna Salanti

Female / Age: 63

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Anna Salanti (2718)

Electrolyte Balance	5/19/2015	11/30/2015	+/-	
Calcium	-11.90	18.75		
Chloride	13.64	4.55	+	4.55 ← 13.64
CO2	-33.33 L	-8.33	+	-33.33 → -8.33
Potassium	-20.59	-14.71		
Sodium	-20.00	-20.00		
PSS / PSD	-14.44 / 19.89	-3.95 / 13.27		

Gastrointest. Function	5/19/2015	11/30/2015	+/-	
Anion Gap	20.00	-9.00	+	-9.00 ← 20.00
Chloride	13.64	4.55	+	4.55 ← 13.64
Cholesterol	50.00 H	111.00 H	-	50.00 → 111.00
CO2	-33.33 L	-8.33	+	-33.33 → -8.33
Monocytes	6.67	16.67	-	6.67 → 16.67
Potassium	-20.59	-14.71		
Sodium	-20.00	-20.00		
Triglycerides	69.29 H	54.62 H	+	54.62 ← 69.29
LDL	117.65 H	218.33 H	-	117.65 → 218.33
PSS / PSD	22.59 / 39.02	39.24 / 50.80		

Hydration	5/19/2015	11/30/2015	+/-	
Albumin	34.62 H	16.67	+	16.67 ← 34.62
Sodium	-20.00	-20.00		
Potassium	-20.59	-14.71		
Chloride	13.64	4.55	+	4.55 ← 13.64
Calcium	-11.90	18.75		
CO2	-33.33 L	-8.33	+	-33.33 → -8.33
Creatinine	23.00	-3.49	+	-3.49 ← 23.00
B.U.N.	71.43 H	28.95 H	+	28.95 ← 71.43
PSS / PSD	7.11 / 28.56	2.80 / 14.43		

Immune Response	5/19/2015	11/30/2015	+/-	
Basophils	-20.00	-33.33 L	-	-33.33 ← -20.00
Eosinophils	-7.14	-12.86		
Lymphocytes	-24.69	-35.94 L	-	-35.94 ← -24.69
Monocytes	6.67	16.67	-	6.67 → 16.67
Neutrophils	24.12	33.53 H	-	24.12 → 33.53
Globulin	-23.33	-10.00	+	-23.33 → -10.00
PSS / PSD	-7.40 / 17.66	-6.99 / 23.72		







Immune Response Count	5/19/2015	11/30/2015	+/-	
Basophil Count	-25.70 L	-35.25 L	-	-35.25 ← -25.70
Eosinophil Count	10.75	-11.65		
Lymphocyte Count	-21.31	-39.70 L	-	-39.70 ← -21.31
Monocyte Count	20.79	4.44	+	4.44 ← 20.79
Neutrophil Count	8.02	-12.74		
PSS / PSD	-1.49 / 17.31	-18.98 / 20.76		









Panel/Subset Comparison Report





Anna Salanti
Female / Age: 63







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
Anna Salanti (2718)

Inflammatory Process	5/19/2015	11/30/2015	+/-	
Eosinophils	-7.14	-12.86		
LDL	117.65 H	218.33 H	-	117.65  218.33
Monocytes	6.67	16.67	-	6.67  16.67
Lymphocytes	-24.69	-35.94 L	-	-35.94  -24.69
Neutrophils	24.12	33.53 H	-	24.12  33.53
W.B.C.	13.08	-20.77	-	-20.77  13.08
Basophils	-20.00	-33.33 L	-	-33.33  -20.00
PSS / PSD	15.67 / 30.48	23.66 / 53.06		

Kidney Function	5/19/2015	11/30/2015	+/-	
Albumin	34.62 H	16.67	+	16.67  34.62
B.U.N.	71.43 H	28.95 H	+	28.95  71.43
B.U.N./Creatinine Ratio	47.27 H	75.80 H	-	47.27  75.80
Chloride	13.64	4.55	+	4.55  13.64
CO2	-33.33 L	-8.33	+	-33.33  -8.33
Creatinine	23.00	-3.49	+	-3.49  23.00
Glucose	17.65	47.06 H	-	17.65  47.06
Potassium	-20.59	-14.71		
Protein, Total	-14.00	6.00	+	-14.00  6.00
Sodium	-20.00	-20.00		
PSS / PSD	11.97 / 29.55	13.25 / 22.55		

Lipid	5/19/2015	11/30/2015	+/-	
Cholesterol	50.00 H	111.00 H	-	50.00  111.00
Triglycerides	69.29 H	54.62 H	+	54.62  69.29
HDL-Cholesterol	-22.00	-38.75 L	-	-38.75  -22.00
LDL	117.65 H	218.33 H	-	117.65  218.33
PSS / PSD	53.73 / 64.73	86.30 / 105.67		

Liver Function	5/19/2015	11/30/2015	+/-	
Albumin	34.62 H	16.67	+	16.67  34.62
Alkaline Phosphatase	-31.43 L	-10.71	+	-31.43  -10.71
Bilirubin, Total	50.00 H	10.00	+	10.00  50.00
Protein, Total	-14.00	6.00	+	-14.00  6.00
sGOT	-1.43	-10.00	-	-10.00  -1.43
sGPT	-7.14	38.24 H	-	-7.14  38.24
PSS / PSD	5.10 / 23.10	8.36 / 15.27		

Nitrogen	5/19/2015	11/30/2015	+/-	
B.U.N.	71.43 H	28.95 H	+	28.95  71.43
B.U.N./Creatinine Ratio	47.27 H	75.80 H	-	47.27  75.80
Creatinine	23.00	-3.49	+	-3.49  23.00
PSS / PSD	47.23 / 47.23	33.75 / 36.08		

Panel/Subset Comparison Report

Anna Salanti
Female / Age: 63

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Anna Salanti (2718)

Oxidative Stress	5/19/2015	11/30/2015	+/-	
Anion Gap	20.00	-9.00	+	-9.00 ← 20.00
Bilirubin, Total	50.00 H	10.00	+	10.00 ← 50.00
Chloride	13.64	4.55	+	4.55 ← 13.64
Cholesterol	50.00 H	111.00 H	-	50.00 → 111.00
Glucose	17.65	47.06 H	-	17.65 → 47.06
PSS / PSD	30.26 / 30.26	32.72 / 36.32		

Protein	5/19/2015	11/30/2015	+/-	
A/G Ratio	14.29	-12.17		
Albumin	34.62 H	16.67	+	16.67 ← 34.62
Globulin	-23.33	-10.00	+	-23.33 → -10.00
Protein, Total	-14.00	6.00	+	-14.00 → 6.00
PSS / PSD	2.89 / 21.56	0.12 / 11.21		

Pulmonary Function	5/19/2015	11/30/2015	+/-	
Anion Gap	20.00	-9.00	+	-9.00 ← 20.00
Calcium	-11.90	18.75		
CO2	-33.33 L	-8.33	+	-33.33 → -8.33
Potassium	-20.59	-14.71		
sGOT	-1.43	-10.00	-	-10.00 ← -1.43
Sodium	-20.00	-20.00		
PSS / PSD	-11.21 / 17.88	-7.21 / 13.46		

Red Blood Cell Health	5/19/2015	11/30/2015	+/-	
Hematocrit	150.00 H	-14.55	+	-14.55 ← 150.00
Hemoglobin	147.14 H	-8.33	+	-8.33 ← 147.14
MCH	28.70 H	42.28 H	-	28.70 → 42.28
MCHC	1.85	1.81		
MCV	35.59 H	47.37 H	-	35.59 → 47.37
R.B.C.	93.08 H	-32.78 L	+	-32.78 ← 93.08
W.B.C.	13.08	-20.77	-	-20.77 ← 13.08
PSS / PSD	67.06 / 67.06	2.15 / 23.98		

B-Complex Markers	5/19/2015	11/30/2015	+/-	
b-Hydroxyisovalerate	14.47	25.00 H	-	14.47 → 25.00
a-Ketoisovalerate	-50.00 L	-50.00 L		
a-Ketoisocaproate	-50.00 L	-50.00 L		
a-Keto-b-methylvalerate	-50.00 L	-50.00 L		
Methylmalonate	-50.00 L	-20.59	+	-50.00 → -20.59
Formiminoglutamic Acid	50.00 H	91.67 H	-	50.00 → 91.67
Xanthurenate	-20.59	-20.59		
PSS / PSD	-22.30 / 40.72	-10.64 / 43.98		

BCAA Catabolism	5/19/2015	11/30/2015	+/-	
a-Ketoisovalerate	-50.00 L	-50.00 L		
a-Ketoisocaproate	-50.00 L	-50.00 L		
a-Keto-b-methylvalerate	-50.00 L	-50.00 L		
PSS / PSD	-50.00 / 50.00	-50.00 / 50.00		


Panel/Subset Comparison Report


Anna Salanti






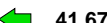
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Anna Salanti (2718)

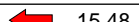



CAC Cycle Ratios	5/19/2015		11/30/2015		+/-	
CA Cycle Phase 1	59.80	H	138.53	H	-	59.80  138.53
CA Cycle Phase 2	-12.25		-10.29			
CA Cycle Return	-43.22	L	-40.00	L		
PSS / PSD	1.44 / 38.43		11.06 / 44.36			

Carbohydrate Metabolism	5/19/2015		11/30/2015		+/-	
Lactate	84.37	H	-10.00		+	-10.00  84.37
Pyruvate	-50.00	L	-50.00	L		
a-Hydroxybutyrate	-50.00	L	-50.00	L		
b-Hydroxybutyrate	-50.00	L	-50.00	L		
PSS / PSD	-16.41 / 58.59		-40.00 / 40.00			

Energy Production	5/19/2015		11/30/2015		+/-	
Citrate	42.48	H	57.34	H	-	42.48  57.34
cis-Aconitate	50.00	H	-1.52		+	-1.52  50.00
Isocitrate	14.41		-24.58		-	-24.58  14.41
a-Ketoglutarate	-50.00	L	21.05		+	-50.00  21.05
Succinate	207.76	H	29.31	H	+	29.31  207.76
Fumarate	-50.00	L	-50.00	L		
Malate	142.86	H	135.71	H		
Hydroxymethylglutarate	41.67	H	33.33	H	+	33.33  41.67
PSS / PSD	49.90 / 74.90		25.08 / 44.11			

Fatty Acid Metabolism	5/19/2015		11/30/2015		+/-	
Adipate	-33.87	L	-50.00	L	-	-50.00  -33.87
Suberate	-11.90		35.71	H	-	-11.90  35.71
Ethylmalonate	36.11	H	22.22		+	22.22  36.11
PSS / PSD	-3.22 / 27.30		2.65 / 35.98			






Intestinal Dysbiosis	5/19/2015		11/30/2015		+/-	
p-Hydroxyphenyllactate	137.18	H	34.62	H	+	34.62  137.18
Phenylacetate	22.73		-50.00	L	-	-50.00  22.73
Phenylpropionate	-50.00	L	-50.00	L		
Tricarballoylate	-50.00	L	-50.00	L		
DHPP	-50.00	L	-50.00	L		
Indican	-10.94		17.19			
p-Hydroxybenzoate	40.91	H	-13.64		+	-13.64  40.91
D-Lactate	-28.95	L	-39.47	L	-	-39.47  -28.95
D-Arabinitol	-16.67		-16.67			
PSS / PSD	-0.64 / 45.26		-24.22 / 35.73			

Liver Detox Indicators	5/19/2015		11/30/2015		+/-	
2-Methylhippurate	15.48		-26.19	L	-	-26.19  15.48
Glucarate	43.65	H	54.76	H	-	43.65  54.76
Orotate	-50.00	L	99.28	H	-	-50.00  99.28
Pyroglutamate	2.54		9.32			
Sulfate	25.09	H	73.04	H	-	25.09  73.04
a-Hydroxybutyrate	-50.00	L	-50.00	L		
PSS / PSD	-2.21 / 31.13		26.70 / 52.10			

Panel/Subset Comparison Report

Anna Salanti
Female / Age: 63

Foundational Wellness Profile Date: 11/30/2015
Anna Salanti (2718)

Neurotransmitters	5/19/2015	11/30/2015	+/-	
Vanilmandelate	-23.91	-15.22	+	-23.91  -15.22
Homovanillate	10.53	0.00	+	0.00  10.53
5-Hydroxyindoleacetate	184.29 H	161.43 H	+	161.43  184.29
Kynurenate	70.00 H	50.00 H	+	50.00  70.00
Quinolate	27.50 H	-2.50	+	-2.50  27.50
PSS / PSD	53.68 / 63.25	38.74 / 45.83		

Village Pharmacy

898 Tanager Street
Incline Village, NV 89451
Tel: (775) 831-1133
Fax: (775) 831-2228

Ordering Practitioner
Anna Salanti
503-977-2660

Custom Amino Acid Profile

Biochemically Individualized for your patient

Client
Anna Salanti

Visit date
11/30/2015

Order Payment and Delivery Information

To order, complete and FAX to (775) 831-2228.

Ship to: _____

Address: _____

City, State, Zip: _____

Phone: _____

Credit Card Number: _____

Expires: _____

Authorizing Signature: _____

Amino Acid Customization Details

	Container Base Grams	Test Result	% Status	Grams Added
L-Arginine	19.50	8.199999	-6.47	0
L-Histidine	13.50	6.5	-20.00	0
L-Isoleucine	13.50	6	-13.49	0
L-Leucine	12.00	11	-16.67	0
L-Lysine	12.00	17	-31.82	0
L-Methionine	15.00	2.200000	-20.00	0
L-Phenylalanine	15.00	5.199999	-26.00	0
L-Taurine	8.10	8.600000	-14.35	0
L-Threonine	13.50	9.600000	-38.57	0
L-Tryptophan (as 5-HTP)	0.90	5.300000	7.50	0
L-Valine	15.00	25	16.67	0
Total Base Grams: 138.00		Total Grams Added:		0

Other Ingredients *

Grams per Container

Alanine 26.88
Alpha-Ketoglutarate 12.00
Aspartic Acid 11.04
Glycine 67.92
Glutamic Acid 16.98
Glutamine 7.50
Proline 30.96
Serine 8.76

Grams per Container

Tyrosine 0.36
Magnesium 2.01
P5P (B6) 1.005
Folic Acid 0.67
Zinc 0.67

* Flavored product may include additional ingredients not shown.

Customization exclusively from Lab Interpretation's LabAssist™ interpretive report, and KTS Products Synerplex Amino Acids.