



**CELLMATE™
WELLNESS
SYSTEMS**

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ANNA SALANTI

Test date: 6/8/2000

Entered: 7/6/2000

Next Test Due: 9/9/2003

CellMate™ Plasma Amino Acid Report

Practitioner

Printed on Thursday, April 3, 2003 for:

Anna Salanti
7619 SW 26th Ave.
Portland, OR 97219
503-977-2660
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If there is a problem with this report, please contact us as soon as possible at: (775) 832-8485 or Fax (775) 832-8488

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Basic Status Report (High/Low)

ANNA SALANTI

Female / Age: 48

Client ID:555986644 (8322)

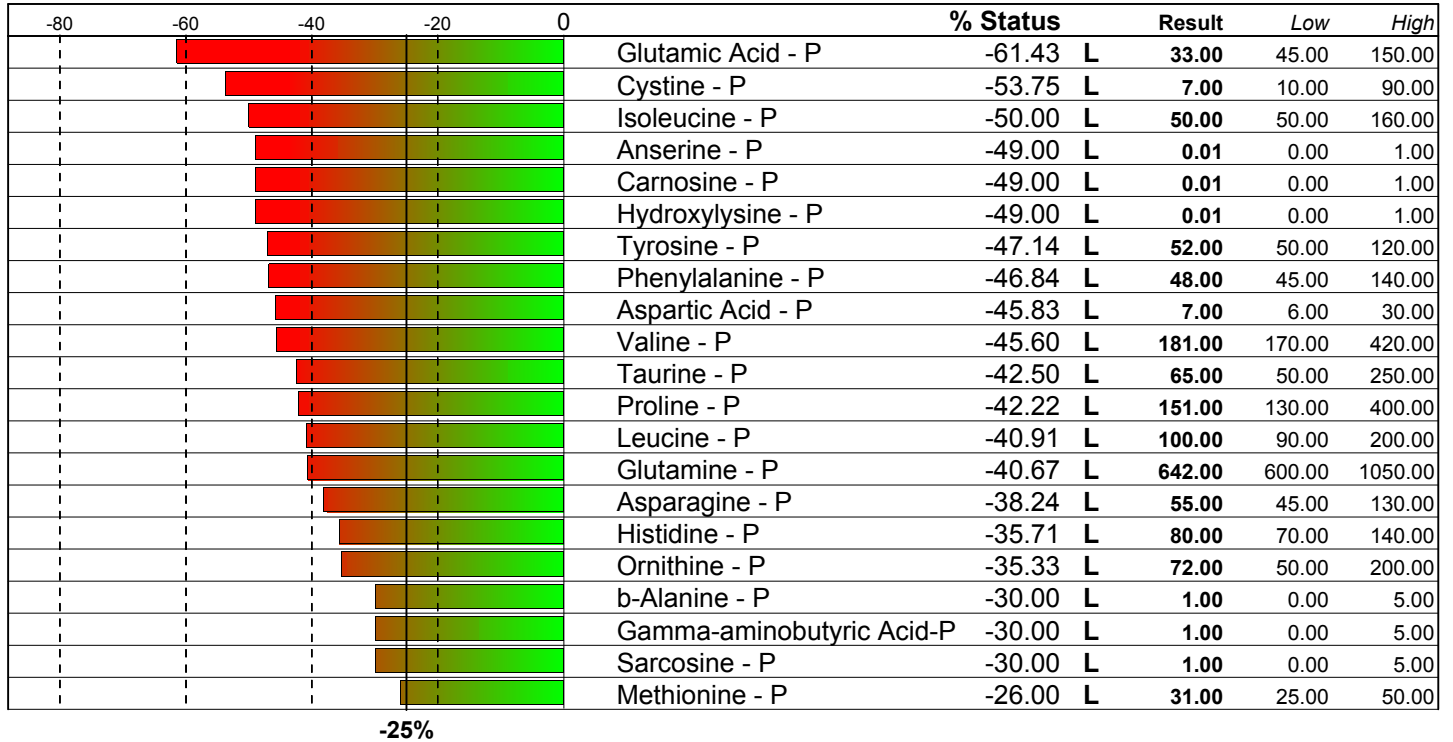
Plasma Amino Acid Date: 6/8/2000

Anna Salanti (2718)

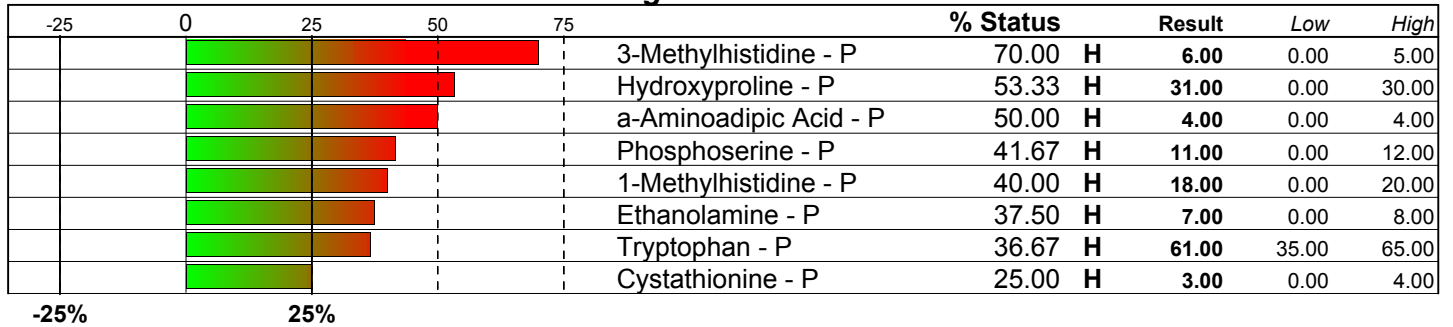
503-977-2660

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

Low Results



High Results



Basic Status Report (Alphabetic)

ANNA SALANTI

Plasma Amino Acid Date: 6/8/2000

Female / Age: 48

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
					40.00	H	18.00	0.00	20.00
					70.00	H	6.00	0.00	5.00
					50.00	H	4.00	0.00	4.00
					-13.33		21.00	10.00	40.00
					13.14		471.00	250.00	600.00
					-49.00	L	0.01	0.00	1.00
					-14.55		89.00	50.00	160.00
					-38.24	L	55.00	45.00	130.00
					-45.83	L	7.00	6.00	30.00
					-30.00	L	1.00	0.00	5.00
					0.00		1.00	0.00	2.00
					-49.00	L	0.01	0.00	1.00
					-2.73		41.00	15.00	70.00
					25.00	H	3.00	0.00	4.00
					-53.75	L	7.00	10.00	90.00
					37.50	H	7.00	0.00	8.00
					-30.00	L	1.00	0.00	5.00
					-61.43	L	33.00	45.00	150.00
					-40.67	L	642.00	600.00	1050.00
					4.67		348.00	225.00	450.00
					-35.71	L	80.00	70.00	140.00
					18.00		0.68	0.00	1.00
					-49.00	L	0.01	0.00	1.00
					53.33	H	31.00	0.00	30.00
					-50.00	L	50.00	50.00	160.00
					-40.91	L	100.00	90.00	200.00
					-17.33		199.00	150.00	300.00
					-26.00	L	31.00	25.00	50.00
					-35.33	L	72.00	50.00	200.00
					-46.84	L	48.00	45.00	140.00
					-20.00		9.00	0.00	30.00
					41.67	H	11.00	0.00	12.00
					-42.22	L	151.00	130.00	400.00
					-30.00	L	1.00	0.00	5.00
					-15.00		132.00	90.00	210.00
					-42.50	L	65.00	50.00	250.00
					-18.00		148.00	100.00	250.00
					36.67	H	61.00	35.00	65.00
					-47.14	L	52.00	50.00	120.00
					-45.60	L	181.00	170.00	420.00
	-25%		25%		Total Status Deviation		34.50		
					Total Status Skew		-15.00		

Client Summary Review

ANNA SALANTI

Female / Age: 48

Plasma Amino Acid Date: 6/8/2000

Anna Salanti (2718)

Nutritional Support

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

- | | |
|---|---|
| <input type="checkbox"/> 1-Probiotics
3x daily | <input type="checkbox"/> 1-Pyridoxal-5-Phosphate
2x daily 50 mg |
| <input type="checkbox"/> 1-Taurine
2x daily 500 mg | <input type="checkbox"/> 2-Magnesium Citrate or Glycinate
2x daily 150 mg |
| <input type="checkbox"/> 2-Vitamin E & Beta-carotene
1x daily see details | |

Practitioner Summary Review

ANNA SALANTI

Female / Age: 48

Plasma Amino Acid Date: 6/8/2000

Anna Salanti (2718)

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
Muscle Metabolites	52.00%	3.00%
Connective Tissue	47.60%	-16.77%
Fat Metabolism	37.75%	-37.75%
Essential Amino Acid	33.16%	-25.83%
Hepatic Metabolism	31.29%	-15.25%
CNS Metabolism	29.91%	-8.00%
Neuroendocrine Met.	27.86%	-26.00%
Ammonia/Energy	27.35%	-17.66%
Immune Metabolites	27.14%	-27.14%

Lab Reported out-of-range Values

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

3-Methylhistidine - P (70.00%)

May be indicative of the need for additional antioxidants.

Drugs which may have an adverse affect:

Cortisol

Glutamic Acid - P (-61.43%)

Glutamic acid is considered a excitatory neurotransmitter. It is critical in removing excess ammonia from the brain as well as helping deal with symptoms such as headache, irritability, and fatigue. A low plasma level of glutamic acid may be indicative of hyperammonemia especially if high glutamine is present.

Cystine - P (-53.75%)

Cystine is the combination of two cysteine molecules combine. A sulfur amino acid, it is critical in the ability to detoxify the body. It also is essential in energy metabolism and fatty acid metabolism. A low plasma level of cystine may be due to a deficiency in methionine or cysteine.

Hydroxyproline - P (53.33%)

May be indicative of bone resorption problems.

a-Amino adipic Acid - P (50.00%)

An excess of this amino acid may be indicative of an inhibition of lysine metabolism and may necessitate the supplementation of B6.

Isoleucine - P (-50.00%)

Isoleucine is one of the branched chain amino acids (BCAA) a group of essential amino acids (with leucine and valine) involved in handling of stress, energy production, and muscle metabolism. Balanced supplementation of BCAA's has been reported to be effective in chronic liver disease, anorexia, recovery from surgery, and endocrine functioning. A low reading could be indicative of hypoglycemia, loss of muscle mass or the inability to build muscle.

Nutrition - Detail

ANNA SALANTI

Female / Age: 48

Plasma Amino Acid Date: 6/8/2000

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 a qualified health care professional.

1-Probiotics 3x daily

PROBIOTICS

A comprehensive probiotic protocol has shown promise in relieving intestinal bacteria and parasitic infections. It is important to use a broad spectrum of probiotic organisms with a high concentration, preferably 20-25 billion of live organisms per capsule.

Decreased

Rationale

Normal

Increased

a-Aminoadipic Acid - P

1-Pyridoxal-5-Phosphate 2x daily 50 mg

PYRIDOXINE (B6)

B6 function involves many complex interrelated functions around amino acid metabolism. Cell processes involve PLP in immune modulation, fatty acids, steroid hormone, receptors, neurotransmitters, gluconeogenesis, and heme synthesis.

Decreased

Normal

Increased

Cystathionine - P

1-Taurine 2x daily 500 mg

TAURINE

An amino-sulfonic acid and modulator of cation flux, especially for Ca. A neuromodulator indirectly depressing neuroexcitation through control over glutamate. It also mediates contractility in the cardiac muscle.

Decreased

Normal

Increased

Taurine - P

a-Aminoadipic Acid - P

2-Magnesium Citrate or Glycinate 2x daily 150 mg

MAGNESIUM (Mg)

Second most abundant mineral 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

Normal

Increased

Ethanolamine - P

2-Vitamin E & Beta-carotene 1x daily see details

VITAMIN E

800 IU - Adult, 400 IU - Children

Vitamin E is a major antioxidant, scavenging free radicals - enhancing lymphocyte production, increasing nitrogen retention, maintaining cellular integrity, and aiding in the biosynthesis of heme proteins.

BETA-CAROTENE

25,000 IU - Adult, 12,500 - Children

Beta-carotene is involved in the growth and repair of tissue and helps maintain healthy skin. It is essential in the maintenance of eyesight, building of bones, teeth and blood. Do not take if pregnant.

Decreased

Normal

Increased

1-Methylhistidine - P

Drug Interactions

ANNA SALANTI

Plasma Amino Acid Date: 6/8/2000

Female / Age: 48

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.

Cortisol

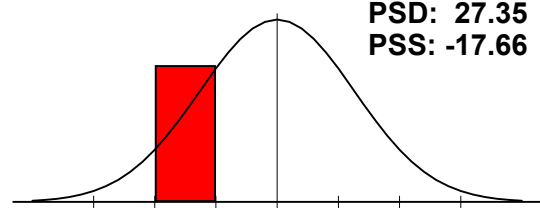
Salicylates

Steroids

Ammonia/Energy

Arginine - P, Threonine - P, Glycine - P, Serine - P, a-Amino adipic Acid - P[H], Asparagine - P[L], Aspartic Acid - P[L], Citrulline - P, Gl.

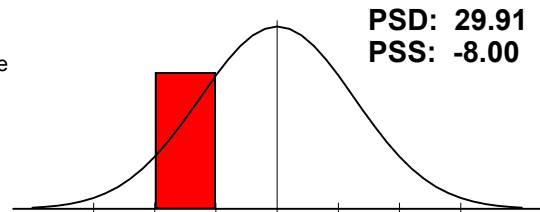
A panel profile such as this may be indicative of inadequate protein intake, poor absorption or poor quality protein intake.



CNS Metabolism

Arginine - P, Tryptophan - P[H], Gamma-aminobutyric Acid-P[L], Glycine - P, Serine - P, Taurine - P[L], Aspartic Acid - P[L], Glutamine - P[.

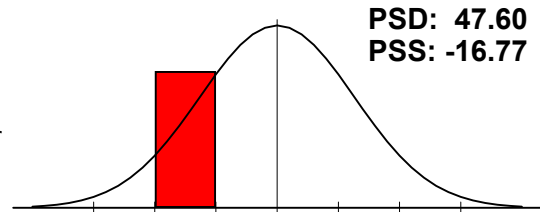
The panel profile seen here may be indicative of poor central nervous system functioning including memory loss, fatigue, poor concentration.



Connective Tissue

Leucine - P[L], Methionine - P[L], Valine - P[L], Cystine - P[L], Hydroxylysine - P[L], Hydroxyproline - P[H], 3-Methylhistidine - P[H], Pro.

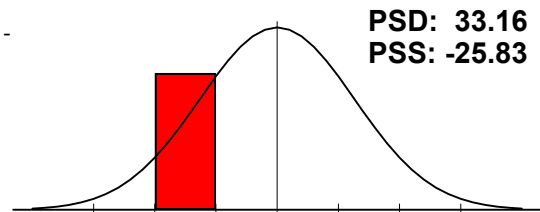
A profile such as this may be indicative of poor collagen and other tissue formation.



Essential Amino Acid

Arginine - P, Histidine - P[L], Isoleucine - P[L], Leucine - P[L], Lysine - P, Methionine - P[L], Phenylalanine - P[L], Threonine - P, Trypt.

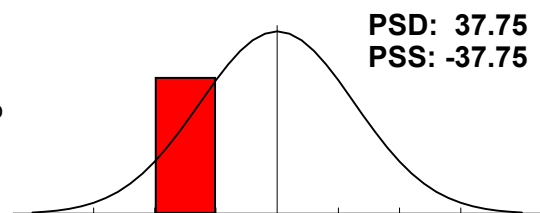
The panel profile seen here indicates a low density of essential amino acids. Since they cannot be synthesized in the human body, these building blocks must be taken in via diet or supplements.



Fat Metabolism

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

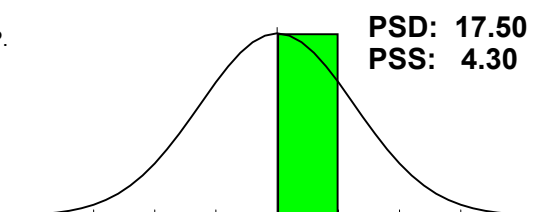
A panel profile such as this may indicate an inability of the body to properly metabolize dietary fats. Check for dysbiosis, or try supplementation with lipase digestive enzymes as well as broad spectrum amino acids.



Gluconeogen

Threonine - P, Tryptophan - P[H], Glycine - P, Serine - P, Alanine - P.

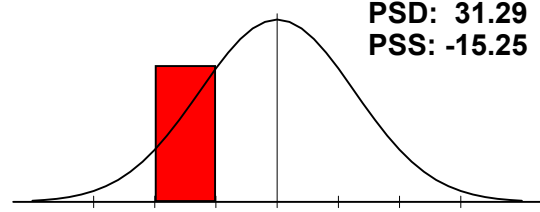
This panel profile is indicative of having the proper amino acids in balance to handle blood sugar issues.



Hepatic Metabolism

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

A panel profile such as this may be indicative of an underfunctioning liver or poor dietary protein intake.

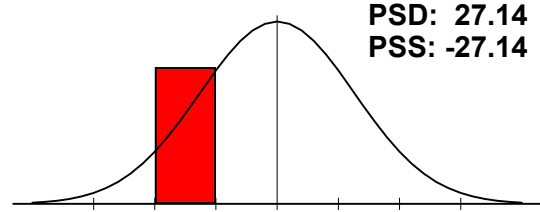


PSD: 31.29
PSS: -15.25

Immune Metabolites

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

A panel profile such as this may be indicative of a poor functioning immune system or low dietary intake of protein.

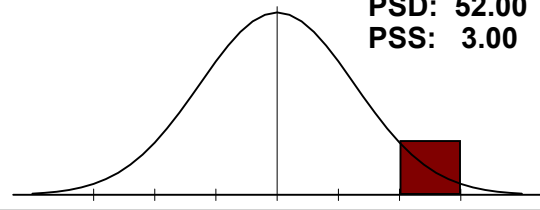


PSD: 27.14
PSS: -27.14

Muscle Metabolites

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

This panel profile may be indicative of abnormal protein metabolism especially if 1-methylhistidine is elevated.

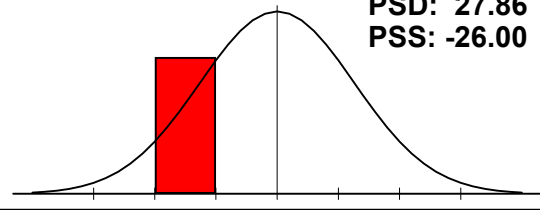


PSD: 52.00
PSS: 3.00

Neuroendocrine Met.

Gamma-aminobutyric Acid-P[L], Glycine - P, Serine - P, Taurine -
P[L], Tyrosine - P[L].

This panel profile may be indicative of an underfunctioning endocrine system or poor dietary intake of protein.



PSD: 27.86
PSS: -26.00

Clinical Correlation

ANNA SALANTI

Plasma Amino Acid Date: 6/8/2000

Female / Age: 48

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.

Cystathioninuria (270.4)

100.00% (1 of 1)

Decreased

Normal

Increased

25.00 Cystathionine - P

Fatigue/Low Cellular Energy Production ()

100.00% (1 of 1)

Decreased

Normal

Increased

-45.83 Aspartic Acid - P

Impaired Ca+ and Zn Transport ()

100.00% (2 of 2)

Decreased

Normal

Increased

-49.00 Anserine - P

-49.00 Carnosine - P

Mild Hyperammonemia ()

100.00% (1 of 1)

Decreased

Normal

Increased

-61.43 Glutamic Acid - P

Muscle/Collagen Catabolism ()

100.00% (5 of 5)

Decreased

Normal

Increased

-40.91 Leucine - P

-45.60 Valine - P

-49.00 Hydroxylysine - P

-42.22 Proline - P

70.00 3-Methylhistidine - P

This profile may be indicative of an individual who is either catabolising their muscle tissue or is unable to build proper muscle tissue due to amino acid deficiencies. Further investigation into amino acid competency may be helpful.

Potential Excessive Oxidative Damage ()

100.00% (1 of 1)

Decreased

Normal

Increased

-42.50 Taurine - P

Potential Rheumatoid Arthritis ()

100.00% (1 of 1)

Decreased

Normal

Increased

-35.71 Histidine - P

Tryptophanemia ()

100.00% (1 of 1)

Decreased

Normal

Increased

36.67 Tryptophan - P

Clinical Correlation

ANNA SALANTI

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Female / Age: 48

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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.

Tryptophanemia (continued)

Tryptophanemia is a genetic trait when there are consistently high levels of plasma tryptophan measured.

Ammonia Toxicity/Buildup ()

75.00% (3 of 4)

Decreased

Normal

Increased

-50.00 Isoleucine - P

-45.83 Aspartic Acid - P

-61.43 Glutamic Acid - P

-40.67 Glutamine - P

Depression ()

75.00% (3 of 4)

Decreased

Normal

Increased

-26.00 Methionine - P

-46.84 Phenylalanine - P

36.67 Tryptophan - P

-47.14 Tyrosine - P