



AMINO ACIDS TEST WILL DETECT THE MALFUNCTIONING OF YOUR BODY'S "BUILDING BLOCKS"

Specimen Requirements: First morning urine (most concentrated), 5 mL or 1 lavender-top tube of whole blood (overnight fasting). Follow instructions provided in the test kit.

What Is the Benefit of Doing the Amino Acids Test at The Great Plains?

The Great Plains Laboratory, Inc. Amino Acids Test offers important clinical data on metabolic, nutritional and neurological disorders, directly or indirectly dependent on the amino acids levels and metabolism evaluated in the test.

Our two test options (plasma and urine amino acids) offered for patients' and doctors' convenience, analyze 40 amino acids and provide detailed explanation of the causes and possible consequences of detected abnormalities, along with nutritional recommendations.

By using The Great Plains Laboratory, Inc. you will receive the benefits of testing and free consultations with experts, ongoing free e-mail and phone support, high quality control, detailed explanation of results and easy testing procedures.

Our services prove that we care about our clients' continuous well-being and progress.



What Is the Role of Amino Acids in the Body?

Checking levels of amino acids is an integral part of any metabolic and nutritional evaluation.

Amino acids are building blocks of all the structural proteins essential for life. They play an important role in neurotransmitter functioning, cholesterol and carbohydrate metabolism and inflammatory and detoxification processes. They help form glutathione, the main antioxidant controlling detoxification and neutralizing free radicals in the body.

Amino acids imbalances are therefore frequent underlying causes of metabolic, as well as gastrointestinal, neurological, and movement disorders, such as developmental problems, attention deficit disorder, depression, Tourette syndrome, tic disorder, OCD, seizures and others.

Low levels of amino acids can increase the susceptibility and risk of various diseases; complicate healing processes, cause fatigue and general discomfort.

Recommended for the following disorders:

- ☀ Autism Spectrum Disorders
- ☀ Cardiovascular Problems
- ☀ Depression
- ☀ Dermatitis
- ☀ Chronic Fatigue
- ☀ Failure to Thrive
- ☀ Gastrointestinal Problems
- ☀ Inborn Errors of Metabolism
- ☀ Kidney Stones
- ☀ Movement Disorders
- ☀ Muscular Weakness
- ☀ Obsessive-Compulsive Disorder
- ☀ Osteoporosis
- ☀ Poor Immunity
- ☀ Seizures
- ☀ Sleep Disorders
- ☀ Tic Disorder
- ☀ Tourette Syndrome
- ☀ Weak Nails

"Our services prove that we care about our clients' continuous well-being and progress after doing our tests."

Amino Acids Test

For more information or to request a test kit, contact us

Phone: (913) 341-8949 Fax: (913) 341-6207 Toll Free: 1-800-288-0383
www.greatplainslaboratory.com E-mail: customerservice@GPL4U.com



Sample Lab Report

URINE AMINO ACIDS



The Great Plains Laboratory, Inc.

William Shaw, Ph.D. Director 11813 W. 77th Street, Lenexa, KS 66214 (913) 341-8949 Fax (913) 341-6207

LAB#:
PATIENT:
SEX:
AGE:
CLIENT#:

SPECIMEN VALIDITY

SPECIMEN MARKERS	RESULT	REFERENCE RANGE	2.5 th	16 th	PERCENTILE 50 th	84 th	97.5 th
Creatinine	36	15- 120 mg/dL					
Glutamine/Glutamate	8	5- 160					
Ammonia Level	49400	18000-100000uM					

SPECIMEN VALIDITY INDEX

ESSENTIAL / CONDITIONALLY INDISPENSABLE AMINO ACIDS							
ESSENTIAL AMINO ACIDS	RESULT <small>μMg creatinine</small>	REFERENCE RANGE	2.5 th	16 th	PERCENTILE 50 th	84 th	97.5 th
Methionine	24	15- 80					
Lysine	100	80- 600					
Threonine	120	80- 400					
Leucine	37	18- 150					
Isoleucine	16	8- 50					
Valine	42	30- 150					
Phenylalanine	65	50- 300					
Tryptophan	16	40- 200					
Taurine	1070	250- 2500					
Cysteine	79	30- 140					
Arginine	34	15- 100					
Histidine	970	700- 2300					

NONESSENTIAL AMINO ACIDS

NONESSENTIAL AMINO ACIDS	RESULT <small>μMg creatinine</small>	REFERENCE RANGE	2.5 th	16 th	PERCENTILE 50 th	84 th	97.5 th
Alanine	360	250- 1200					
Aspartate	20	15- 67					
Asparagine	150	80- 480					
Glutamine	390	450- 1200					
Glutamate	49	25- 150					
Cystine	19	33- 120					
Glycine	1970	900- 5000					
Tyrosine	74	68- 285					
Serine	400	300- 1000					
Proline	26	4- 100					

The Great Plains Laboratory, Inc. 11813 W. 77 Street, Lenexa KS, 66214 Tel: 913.341.8949 Fax: 913.341.6207

Analyzed by: ©DOCTOR'S DATA, INC. ADDRESS: 3755 Illinois Avenue, St. Charles, IL 60174-2420 CLIA ID NO: 14C0946470 MEDICARE PROVIDER NO: 148453

Testing Procedure

1. Contact The Great Plains Laboratory, Inc. via phone, fax, e-mail, or on our website to order a test kit.
2. Fill out the Test Requisition Form, have this form signed by a medical practitioner.
3. Indicate the payment method or insurance information on the Test Requisition Form.
4. Follow the instructions to collect the sample.
5. Send the sample with the paperwork in the pre-paid express overnight envelope included in the test kit (shipping cost is included in the price for U.S. clients).
6. The results will be mailed with a detailed explanation to the patient and medical practitioner in approximately one to three weeks after receiving your sample, unless the practitioner has specified otherwise.
7. A free phone consultation with our nutritional consultant is available to practitioners and patients upon request.



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