

Ordering Physician:

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 Reprinted:
 Comment:

0113 Amino Acids 20 - Blood Spot

Methodology: High Pressure Liquid Chromatography

Percentile Ranking by Quintile





3425 Corporate Way
 Duluth, GA 30096
 770.446.5483 Fax:770.441.2237

Reference Number:
 Accession Number:

Date of Birth: Sex: Female
 Age: 37
 Date Received:
 Report Created:

(843) 767-7650
 (843) 760-0960

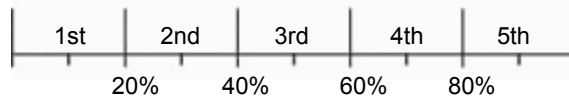
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**95%
 Reference
 Interval**

Ammonia/Energy Metabolism

Amino Acid	Value	Flag	Percentile	95% Reference Interval
Asparagine	59		54	44 - 100
Aspartic Acid	58	L	61	28 - 250
Citrulline	22	L	25	15 - 65
Glutamic Acid	313	H	129	101 - 308
Glutamine	263	L	379	208 - 612
Ornithine	138		82	55 - 248

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30 - Day Amino Acid Powder Supplement Recommendation

The table below shows the recommended custom amino acid formula based on the results of your laboratory test for fasting plasma amino acid levels. The Base Formula contains a constant percentage of the essential amino acids. To achieve your optimal formula, additional amounts of individual amino acids ("Grams Added") are added and the "Base Formula amount" is adjusted to assure the total appropriate amount of powder. The final percentage in your powder will be different from those in the table because of the addition of specific amounts of each essential amino acid.

Directions: Adults mix 1 and 1/2 measuring teaspoon (5g) into juice or water 2 times daily between meals as a dietary supplement, or as directed by a health care practitioner. Children under 12 years old: 1 teaspoon 1-2 times daily between meals.

Base Formula amount: 211 gm	% of Base	Grams Added	mg per day
5-Hydroxytryptophan*	0.0 % +	1	33
Arginine	9.4 % +	20	1328
Histidine	10.1 % +	0	710
Isoleucine	9.4 % +	5	828
Leucine	12.9 % +	10	1241
Lysine	9.4 % +	26	1528
Methionine	7.7 % +	0	542
Phenylalanine	12.9 % +	0	907
Taurine	0.0 % +	10	333
Threonine	8.1 % +	0	570
Valine	11.1 % +	14	1247
Pyridoxal-5-phosphate	.3 % +	0	21
Alpha-ketoglutaric acid	8.5 % +	0	598
*...or L-Tryptophan (Requires doctor's order)		5	167

Only the essential amino acids are included in this formula because from these all of the other amino acids can be formed, raising the levels of any that might be low. Pyridoxal-5-phosphate (an active form of B6) and alpha-ketoglutaric acid cofactor nutrients are key factors needed for the body's utilization of amino acids. The formula may be ordered as a powder that dissolves easily in beverages or may be added to foods such as applesauce. Other forms of supplemental dietary protein or amino acids may need to be restricted while using your customized formula. If enhanced energy levels prevent sleep, avoid bedtime use.

· These guidelines are intended as a starting point for the clinician who requested the test and are based only on the laboratory results included in this report. Final recommendations should be implemented by the clinician with consideration of medical history and current clinical observations.
 · These tests are not intended for the diagnosis of specific disorders.