

URINE AMINO ACIDS



The Great Plains Laboratory, Inc.

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

SPECIMEN VALIDITY

SPECIMEN MARKERS	RESULT	REFERENCE RANGE	PERCENTILE					
			2.5 th	16 th	50 th	84 th	97.5 th	
Creatinine	160	45- 225 mg/dL						
Glutamine/Glutamate	28	5- 160						
Ammonia Level	32700	9000- 39000 μM						
SPECIMEN VALIDITY INDEX								

ESSENTIAL / CONDITIONALLY INDISPENSABLE AMINO ACIDS

ESSENTIAL AMINO ACIDS	RESULT μM/g creatinine	REFERENCE RANGE	PERCENTILE					
			2.5 th	16 th	50 th	84 th	97.5 th	
Methionine	6	7- 35						
Lysine	84	35- 500						
Threonine	190	60- 230						
Leucine	43	18- 70						
Isoleucine	9.9	8- 35						
Valine	47	12- 50						
Phenylalanine	54	25- 75						
Tryptophan	87	20- 75						
Taurine	3120	170- 1200						
Cysteine	44	20- 57						
Arginine	30	8- 50						
Histidine	1030	270- 1150						

NONESSENTIAL AMINO ACIDS

NONESSENTIAL AMINO ACIDS	RESULT μM/g creatinine	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Alanine	310	100- 500					
Aspartate	11	7- 23					
Asparagine	140	40- 180					
Glutamine	650	180- 530					
Glutamate	23	5- 45					
Cystine	26	20- 90					
Glycine	930	400- 1800					
Tyrosine	110	23- 113					
Serine	390	130- 400					
Proline	3.5	1- 45					



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GASTROINTESTINAL MARKERS

GI MARKERS	RESULT μM/g creatinine	REFERENCE RANGE	PERCENTILE						
			2.5 th	16 th	50 th	84 th	97.5 th		
Ammonia	32700	9000- 39000							
Ethanolamine	280	120- 330							
Alpha-Aminoadipate	110	7- 50							
Threonine	190	60- 230							
Tryptophan	87	20- 75							
Taurine	3120	170- 1200							
			68 th		95 th				
Beta-alanine	82	< 20							
Beta-aminoisobutyrate	120	< 300							
Anserine	67	< 60							
Carnosine	160	< 35							
Gamma-aminobutyrate	1.9	< 15							
Hydroxyproline	7.4	< 32							

MAGNESIUM DEPENDANT MARKERS

MAGNESIUM MARKERS	RESULT μM/g creatinine	REFERENCE RANGE	PERCENTILE						
			2.5 th	16 th	50 th	84 th	97.5 th		
Citrulline	3	1- 24							
Ethanolamine	280	120- 330							
Phosphoethanolamine	46	15- 56							
Phosphoserine	0.25	0.06- 0.6							
Serine	390	130- 400							
Taurine	3120	170- 1200							
			68 th		95 th				
Methionine Sulfoxide	3.5	< 10							

B6, B12, & FOLATE DEPENDANT MARKERS

B-VITAMIN MARKERS	RESULT μM/g creatinine	REFERENCE RANGE	PERCENTILE						
			2.5 th	16 th	50 th	84 th	97.5 th		
Serine	390	130- 400							
Alpha-aminoadipate	110	7- 50							
Cysteine	44	20- 57							
Cystathionine	64	7- 40							
1-Methylhistidine	400	75- 240							
3-Methylhistidine	1800	50- 900							
Alpha-amino.N.butyrate	15	7- 50							
			68 th		95 th				
Beta-aminoisobutyrate	120	< 300							
Beta-alanine	82	< 20							
Homocystine	< dl	< 5							
Sarcosine	4	< 35							



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DETOXIFICATION MARKERS

DETOX MARKERS	RESULT μM/g creatinine	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Methionine	6	7- 35	[Bar chart showing result at 2.5th percentile]				
Cysteine	44	20- 57	[Bar chart showing result at 50th percentile]				
Taurine	3120	170- 1200	[Bar chart showing result at 50th percentile]				
Glutamine	650	180- 530	[Bar chart showing result at 50th percentile]				
Glycine	930	400- 1800	[Bar chart showing result at 50th percentile]				
Aspartate	11	7- 23	[Bar chart showing result at 50th percentile]				

NEUROLOGICAL MARKERS

NEUROLOGICAL MARKERS	RESULT μM/g creatinine	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Ammonia	32700	9000- 39000	[Bar chart showing result at 50th percentile]				
Glutamine	650	180- 530	[Bar chart showing result at 50th percentile]				
Phenylalanine	54	25- 75	[Bar chart showing result at 50th percentile]				
Tyrosine	110	23- 113	[Bar chart showing result at 50th percentile]				
Tryptophan	87	20- 75	[Bar chart showing result at 50th percentile]				
Taurine	3120	170- 1200	[Bar chart showing result at 50th percentile]				
Cystathionine	64	7- 40	[Bar chart showing result at 50th percentile]				
Beta-alanine	82	< 20	[Bar chart showing result at 68th percentile]				

UREA CYCLE METABOLITES

UREA CYCLE METABOLITES	RESULT μM/g creatinine	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Arginine	30	8- 50	[Bar chart showing result at 50th percentile]				
Aspartate	11	7- 23	[Bar chart showing result at 50th percentile]				
Citrulline	3	1- 24	[Bar chart showing result at 50th percentile]				
Ornithine	16	3- 35	[Bar chart showing result at 50th percentile]				
Urea	330	150- 480	[Bar chart showing result at 50th percentile]				
Ammonia	32700	9000- 39000	[Bar chart showing result at 50th percentile]				
Glutamine	650	180- 530	[Bar chart showing result at 50th percentile]				
Asparagine	140	40- 180	[Bar chart showing result at 50th percentile]				

SPECIMEN DATA

Comments:

Date Collected:

Methodology:

Date Received:

Collection Period:

Date Completed:

Body Surface Area: