

24-HOUR URINE AMINO ACIDS



The Great Plains Laboratory, Inc.

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

SPECIMEN VALIDITY

SPECIMEN MARKERS	RESULT PER 24 HOURS	REFERENCE RANGE	PERCENTILE					
			2.5 th	16 th	50 th	84 th	97.5 th	
Creatinine	350	200- 1200 mg						
24 Hour Volume	700	450- 1500 mL						
Glutamine/Glutamate	8.9	5- 160						
Ammonia Level	7590	7000- 36000 µM						

SPECIMEN VALIDITY INDEX	
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ESSENTIAL / CONDITIONALLY INDISPENSABLE AMINO ACIDS

ESSENTIAL AMINO ACIDS	RESULT µMOLE/24 HRS	REFERENCE RANGE	PERCENTILE					
			2.5 th	16 th	50 th	84 th	97.5 th	
Methionine	3.8	7- 30						
Lysine	33	24- 300						
Threonine	29	50- 260						
Leucine	12	14- 80						
Isoleucine	4.2	7- 40						
Valine	13	10- 53						
Phenylalanine	20	17- 85						
Tryptophan	21	12- 110						
Taurine	260	200- 1000						
Cysteine	8.5	15- 54						
Arginine	10	5- 35						
Histidine	280	300- 1500						

SAMPLE REPORT

NONESENTIAL AMINO ACIDS

NONESENTIAL AMINO ACIDS	RESULT µMOLE/24 HRS	REFERENCE RANGE	PERCENTILE					
			2.5 th	16 th	50 th	84 th	97.5 th	
Alanine	130	80- 420						
Aspartate	2.7	4- 25						
Asparagine	72	30- 175						
Glutamine	160	130- 580						
Glutamate	18	3- 47						
Cystine	8.7	11- 45						
Glycine	430	340- 2100						
Tyrosine	34	23- 150						
Serine	110	120- 470						
Proline	4.2	1- 55						



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GASTROINTESTINAL MARKERS

GI MARKERS	RESULT μMOLE/24 HRS	REFERENCE RANGE	PERCENTILE						
			2.5 th	16 th	50 th	84 th	97.5 th		
Ammonia	7590	7000- 36000							
Ethanolamine	110	70- 410							
Alpha-Aminoadipate	8	3- 55							
Threonine	29	50- 260							
Tryptophan	21	12- 110							
Taurine	260	200- 1000							
			68 th		95 th				
Beta-alanine	2.8	< 10							
Beta-aminoisobutyrate	13	< 200							
Anserine	4.1	< 120							
Carnosine	29	< 100							
Gamma-aminobutyrate	1	< 25							
Hydroxyproline	2.8	< 28							

MAGNESIUM DEPENDANT MARKERS

MAGNESIUM MARKERS	RESULT μMOLE/24 HRS	REFERENCE RANGE	PERCENTILE						
			2.5 th	16 th	50 th	84 th	97.5 th		
Citrulline	0.85	1- 30							
Ethanolamine	110	70- 410							
Phosphoethanolamine	19	20- 90							
Phosphoserine	0.15	0.05- 0.6							
Serine	110	120- 470							
Taurine	260	200- 1000							
			68 th		95 th				
Methionine Sulfoxide	1.1	< 10							

B6, B12, & FOLATE DEPENDANT MARKERS

B-VITAMIN MARKERS	RESULT μMOLE/24 HRS	REFERENCE RANGE	PERCENTILE						
			2.5 th	16 th	50 th	84 th	97.5 th		
Serine	110	120- 470							
Alpha-aminoadipate	8	3- 55							
Cysteine	8.5	15- 54							
Cystathionine	1.2	4- 30							
1-Methylhistidine	86	30- 260							
3-Methylhistidine	180	25- 500							
Alpha-amino.N.butyrate	2.7	3- 55							
			68 th		95 th				
Beta-aminoisobutyrate	13	< 200							
Beta-alanine	2.8	< 10							
Homocystine	< dl	< 3							
Sarcosine	0.67	< 25							



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DETOXIFICATION MARKERS

Table with 7 columns: DETOX MARKERS, RESULT (μMOLE/24 HRS), REFERENCE RANGE, and PERCENTILE (2.5th, 16th, 50th, 84th, 97.5th). Rows include Methionine, Cysteine, Taurine, Glutamine, Glycine, and Aspartate.

NEUROLOGICAL MARKERS

Table with 7 columns: NEUROLOGICAL MARKERS, RESULT (μMOLE/24 HRS), REFERENCE RANGE, and PERCENTILE (2.5th, 16th, 50th, 84th, 97.5th). Rows include Ammonia, Glutamine, Phenylalanine, Tyrosine, Tryptophan, Taurine, Cystathionine, and Beta-alanine.

SAMPLE REPORT

UREA CYCLE METABOLITES

Table with 7 columns: UREA CYCLE METABOLITES, RESULT (μMOLE/24 HRS), REFERENCE RANGE, and PERCENTILE (2.5th, 16th, 50th, 84th, 97.5th). Rows include Arginine, Aspartate, Citrulline, Ornithine, Urea, Ammonia, Glutamine, and Asparagine.

SPECIMEN DATA

Comments:
Date Collected:
Methodology:

Date Received:
Collection Period:

Date Completed:
Volume:

V07.02