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Norcross, GA 30092
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Ordering Physician
Metamatrix
4855 Peachtree Industrial Blvd.
Suite 201
Norcross, GA 30092

Accession Number: A0201230001
Patient: Sample Report
Age: 46 Sex: F
Date Collected: 01/05/05
Date Received: 01/06/05
Report Date: 01/13/05
Telephone: 770-446-5483
Fax: 770-441-2237
Reprinted:
Comment:

0012 Amino Acid Analysis - 40 Urine

Methodology: High Pressure Liquid Chromatography

		Results	Reference Limits	Low Limit	High Limit	
Essential Amino Acids						
Arginine	8	L	10 - 70	10	70	μmol/day
Histidine	624		460 - 2100	460	2100	
Isoleucine	53		10 - 70	10	70	
Leucine	78		15 - 110	15	110	
Lysine	211		75 - 600	75	600	
Methionine	91		15 - 95	15	95	
Phenylalanine	28	L	30 - 190	30	190	
Threonine	182		90 - 490	90	490	
Tryptophan	115		30 - 150	30	150	
Valine	45		10 - 70	10	70	
Essential Amino Acid Derivatives						
Neuroendocrine Metabolism						
Gamma-Aminobutyric Acid	85	H	30		30	
Glycine	1117		500 - 2000	500	2000	
Serine	312		160 - 710	160	710	
Taurine	416		350 - 1850	350	1850	
Tyrosine	36	L	40 - 290	40	290	
Ammonia/Energy Metabolism						
α-Aminoadipic Acid	80		30 - 85	30	85	
Asparagine	138		70 - 500	70	500	
Aspartic Acid	262		135 - 275	135	275	
Citrulline	30		30		30	



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	Results		Reference Limits	
<u>Ammonia/Energy Metabolism</u>				
Glutamic Acid	29		20 - 95	
Glutamine	328		300-800	
Ornithine	164	H	10-100	
<u>Sulfur Metabolism</u>				
Cystine	88		20-130	
Cystathionine	29		10-40	
Homocystine	<1		2	
<u>Additional Metabolites</u>				
α-Amino-N-Butyric Acid	15		5-50	
Alanine	420		130-630	
Anserine	74		160	
β-Alanine	46	H	20	
β-Aminoisobutyric Acid	226		300	
Carnosine	73		150	
Ethanolamine	506	H	100-400	
Hydroxylysine	<1		60	
Hydroxyproline	<1		20	
1-Methylhistidine	1152	H	100-800	
3-Methylhistidine	496	H	30-300	
Phosphoethanolamine	80		20-95	
Phosphoserine	190		50-200	
Proline	<1		1	
Sarcosine	<1		1	