

Laboratory Service Report

1-800-533-1710

Patient Name	Patient ID	Age	Gender	1 - 1 - 1 - 1
SAMPLEREPORT,AAQP AB	SA00048509	45	M	SA00048509
Ordering Phys				DOB 06/10/1967
Client Order # SA00048509	Account Information			Report Notes
Collected 08/14/2012	C7028846-DLMP ROCHESTER 3050 SUPERIOR DRIVE			
Printed 08/31/2012 14:44	ROCHESTER,MN 55901			

Test					Reference	Perform
Phosphosetine	Test	Flag	Results	Unit	Value	Site*
Phosphosetine						
Phosphothanolamine					.,	
Taurine	-			- '		
Asparagine 37	-					
Serine			==	- '		
Hydroxyproline						
Carrosine 126				- '		
Glutamine				- '		
Aspartic Acid 6	<u> -</u>			- '		
Ethanolamine				- '		
Histidine	-					
Threonine				- '		
Citrulline 17 nmol/mL 17-46 MCR Sarcosine 4 nmol/mL <5				- '		
Sarcosine				- '		
Beta-alanine						
Alanine						
Glutamic Acid						
1-Methylhistidine				- '		
3-Methylhistidine				- '		
Argininosuccinic Acid 1 nmol/mL <2 MCR Carnosine 0 nmol/mL <1 MCR Anserine 0 nmol/mL <1 MCR Homocitrulline 1 nmol/mL <2 MCR Arginine 32 nmol/mL 32-120 MCR Alpha-aminoadipic Acid 2 nmol/mL <3 MCR Alpha-aminoarine Acid 1 nmol/mL <2 MCR Beta-aminoisobutyric Acid 1 nmol/mL <2 MCR Alpha-amino-n-butyric Acid 4 nmol/mL <5 MCR Alpha-amino-n-butyric Acid 9 nmol/mL <5 MCR Alpha-amino-n-butyric Acid 9 nmol/mL <2 MCR Hydroxylysine 1 nmol/mL <2 MCR GR Grame MCR Gra	-					
Carnosine 0 nmol/mL <1	-					MCR
Anserine 0 nmol/mL 1 MCR HOmocitrulline 1 nmol/mL 2 MCR Arginine 32 nmol/mL 32-120 MCR Alpha-aminoadipic Acid 2 nmol/mL 32-120 MCR Gamma-amino-n-butyric Acid 1 nmol/mL <2 MCR Beta-aminoisobutyric Acid 4 nmol/mL 5 MCR Alpha-amino-n-butyric Acid 9 nmol/mL 5 MCR Alpha-amino-n-butyric Acid 9 nmol/mL 5 MCR Alpha-amino-n-butyric Acid 9 nmol/mL 5 MCR Proline H 1229 nmol/mL 9-37 MCR Proline H 1229 nmol/mL 97-368 MCR Ornithine 38 nmol/mL 38-130 MCR Cystathionine 4 nmol/mL 5 MCR Cystathionine 4 nmol/mL 38-130 MCR Cystine 3 nmol/mL 38-95 MCR Lysine 103 nmol/mL 103-255 MCR Methionine 4 nmol/mL 103-255 MCR Methionine 4 nmol/mL 136-309 MCR Tyrosine 136 nmol/mL 136-309 MCR Tyrosine 31 nmol/mL 31-90 MCR Isoleucine 36 nmol/mL 36-107 MCR Leucine 68 nmol/mL 36-107 MCR Phenylalanine 35 nmol/mL 35-80 MCR Tryptophan 29 nmol/mL 29-77 MCR Allo-isoleucine 4 nmol/mL 29-77 MCR Allo-isoleucine 4 nmol/mL 29-77 MCR	5		_	- '		
Homocitrulline			-	- ,	_	
Arginine 32 nmol/mL 32-120 MCR Alpha-aminoadipic Acid 2 nmol/mL <3 MCR Gamma-amino-n-butyric Acid 1 nmol/mL <2 MCR Beta-aminoisobutyric Acid 4 nmol/mL <5 MCR Alpha-amino-n-butyric Acid 9 nmol/mL 9-37 MCR Hydroxylysine 1 nmol/mL 97-368 MCR Proline H 1229 nmol/mL 97-368 MCR Ornithine 38 nmol/mL 38-130 MCR Cystathionine 4 nmol/mL <5 MCR Cystine 3 nmol/mL 3-95 MCR Lysine 103 nmol/mL 3-95 MCR Methionine 4 nmol/mL 103-255 MCR Methionine 4 nmol/mL 4-44 MCR Valine 136 nmol/mL 136-309 MCR Tyrosine 31 nmol/mL 31-90 MCR Isoleucine 36 nmol/mL 31-90 MCR Leucine 68 nmol/mL 35-80 MCR Tryptophan 29 nmol/mL 35-80 MCR Tryptophan 29 nmol/mL 29-77 MCR Allo-isoleucine 4 nmol/mL 29-77 MCR						
Alpha-aminoadipic Acid 2 nmol/mL <3 MCR Gamma-amino-n-butyric Acid 1 nmol/mL <2 MCR Beta-aminoisobutyric Acid 4 nmol/mL <5 MCR Alpha-amino-n-butyric Acid 9 nmol/mL 9-37 MCR Hydroxylysine 1 nmol/mL 97-368 MCR Proline H 1229 nmol/mL 97-368 MCR Ornithine 38 nmol/mL 38-130 MCR Cystathionine 4 nmol/mL 38-130 MCR Cystine 3 nmol/mL 3-95 MCR Lysine 103 nmol/mL 3-95 MCR Lysine 103 nmol/mL 103-255 MCR Wethionine 4 nmol/mL 4-44 MCR Valine 136 nmol/mL 136-309 MCR Tyrosine 31 nmol/mL 136-309 MCR Tyrosine 31 nmol/mL 31-90 MCR Isoleucine 68 nmol/mL 31-90 MCR Phenylalanine 35 nmol/mL 35-80 MCR Tryptophan 29 nmol/mL 29-77 MCR Allo-isoleucine 4 nmol/mL 29-77 MCR			_	- ,	=	
Gamma-amino-n-butyric Acid 1 nmol/mL <2						
Beta-aminoisobutyric Acid 4 nmol/mL <5				- '		
Alpha-amino-n-butyric Acid 9 nmol/mL 9-37 MCR Hydroxylysine 1 nmol/mL <2				nmol/mL	<2	MCR
Hydroxylysine	Beta-aminoisobutyric Acid		=	nmol/mL		MCR
Proline H 1229 nmol/mL 97-368 MCR Ornithine 38 nmol/mL 38-130 MCR Cystathionine 4 nmol/mL <5				nmol/mL		MCR
Ornithine 38 nmol/mL 38-130 MCR Cystathionine 4 nmol/mL <5	1 1 1			nmol/mL	=	MCR
Cystathionine 4 nmol/mL <5	Proline	H	1229	nmol/mL	97-368	MCR
Cystine 3 nmol/mL 3-95 MCR Lysine 103 nmol/mL 103-255 MCR Methionine 4 nmol/mL 4-44 MCR Valine 136 nmol/mL 136-309 MCR Tyrosine 31 nmol/mL 31-90 MCR Isoleucine 36 nmol/mL 36-107 MCR Leucine 68 nmol/mL 68-183 MCR Phenylalanine 35 nmol/mL 35-80 MCR Tryptophan 29 nmol/mL 29-77 MCR Allo-isoleucine 4 nmol/mL <5	Ornithine		38	nmol/mL	38-130	MCR
Lysine 103 nmol/mL 103-255 MCR Methionine 4 nmol/mL 4-44 MCR Valine 136 nmol/mL 136-309 MCR Tyrosine 31 nmol/mL 31-90 MCR Isoleucine 36 nmol/mL 36-107 MCR Leucine 68 nmol/mL 68-183 MCR Phenylalanine 35 nmol/mL 35-80 MCR Tryptophan 29 nmol/mL 29-77 MCR Allo-isoleucine 4 nmol/mL <5	Cystathionine		4	nmol/mL	<5	MCR
Methionine 4 nmol/mL 4-44 MCR Valine 136 nmol/mL 136-309 MCR Tyrosine 31 nmol/mL 31-90 MCR Isoleucine 36 nmol/mL 36-107 MCR Leucine 68 nmol/mL 68-183 MCR Phenylalanine 35 nmol/mL 35-80 MCR Tryptophan 29 nmol/mL 29-77 MCR Allo-isoleucine 4 nmol/mL <5	Cystine		3	nmol/mL	3-95	MCR
Valine 136 nmol/mL 136-309 MCR Tyrosine 31 nmol/mL 31-90 MCR Isoleucine 36 nmol/mL 36-107 MCR Leucine 68 nmol/mL 68-183 MCR Phenylalanine 35 nmol/mL 35-80 MCR Tryptophan 29 nmol/mL 29-77 MCR Allo-isoleucine 4 nmol/mL <5	Lysine		103	nmol/mL	103-255	MCR
Tyrosine 31 nmol/mL 31-90 MCR Isoleucine 36 nmol/mL 36-107 MCR Leucine 68 nmol/mL 68-183 MCR Phenylalanine 35 nmol/mL 35-80 MCR Tryptophan 29 nmol/mL 29-77 MCR Allo-isoleucine 4 nmol/mL <5	Methionine		4	nmol/mL	4-44	MCR
Isoleucine 36 nmol/mL 36-107 MCR Leucine 68 nmol/mL 68-183 MCR Phenylalanine 35 nmol/mL 35-80 MCR Tryptophan 29 nmol/mL 29-77 MCR Allo-isoleucine 4 nmol/mL <5	Valine		136	nmol/mL	136-309	MCR
Leucine 68 nmol/mL 68-183 MCR Phenylalanine 35 nmol/mL 35-80 MCR Tryptophan 29 nmol/mL 29-77 MCR Allo-isoleucine 4 nmol/mL <5	Tyrosine		31	nmol/mL	31-90	MCR
Phenylalanine 35 nmol/mL 35-80 MCR Tryptophan 29 nmol/mL 29-77 MCR Allo-isoleucine 4 nmol/mL <5	Isoleucine		36	nmol/mL	36-107	MCR
Tryptophan 29 nmol/mL 29-77 MCR Allo-isoleucine 4 nmol/mL <5	Leucine		68	nmol/mL	68-183	MCR
Tryptophan 29 nmol/mL 29-77 MCR Allo-isoleucine 4 nmol/mL <5	Phenylalanine		35	nmol/mL	35-80	MCR
Allo-isoleucine 4 nmol/mL <5 MCR			29			
Interpretation (AAQP) MCR	11 1		4		<5	MCR
	Interpretation (AAQP)					MCR

In this sample, the concentration of proline was elevated. The significance of this isolated finding is uncertain and could represent a coincidental finding. However, a biochemical diagnosis of either hyperprolinemia type I (proline oxidase deficiency) or type II (delta-1-pyrrolidine-5-carboxylate dehydrogenase

Patient Name SAMPLEREPORT, AAQP AB	Collection Date and Time 08/14/2012	Report Status Final
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^{*} Report times for Mayo performed tests are CST/CDT



Test

Laboratory Service Report

Flag Results

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Ordering Phys			•	DOB 06/10/1967	
Client Order # SA00048509	Account Information			Report Notes	
Collected 08/14/2012	3050 SUPERIOR DRIV	C7028846-DLMP ROCHESTER 3050 SUPERIOR DRIVE			
Printed 08/31/2012 14:44	ROCHESTER,MN 559	901			

Reference Perform
Unit Value Site*

deficiency) can not be ruled out. Consider submitting another sample to repeat the analysis and urine sample for amino acid analysis.

Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)

* Performing Site:

MCF	₹	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director:
1		200 I list of ow Rochester, with 55365	

Patient Name SAMPLEREPORT,AAQP AB	Collection Date and Time 08/14/2012	Report Status Final
Page 2 of 2	** Reprinted **	** End of Report **

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