





**MOSAIC**  
DIAGNOSTICS  
Formerly Great Plains Laboratory

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

**GASTROINTESTINAL MARKERS**

GI MARKERS	RESULT μM/g creatinine	REFERENCE RANGE	PERCENTILE						
			2.5 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>		
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 <sup>th</sup>		95 <sup>th</sup>				
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 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>		
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 <sup>th</sup>		95 <sup>th</sup>				
Methionine Sulfoxide	3.5	< 10							

**B6, B12, & FOLATE DEPENDANT MARKERS**

B-VITAMIN MARKERS	RESULT μM/g creatinine	REFERENCE RANGE	PERCENTILE						
			2.5 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>		
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 <sup>th</sup>		95 <sup>th</sup>				
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 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>
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 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>
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]				
			68 <sup>th</sup>		95 <sup>th</sup>		
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 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>
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: