



PATIENT: _____
 DOCTOR: Nancy Mullan, MD
 LAB#: U080306-0613-1
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GASTROINTESTINAL MARKERS								
GI MARKERS	RESULT <small>µMg creatinine</small>	REFERENCE RANGE	PERCENTILE					
			2.5 th	16 th	50 th	84 th	97.5 th	
Ammonia	17200	9000- 39000						
Ethanolamine	63	120- 330						
Alpha-Aminoadipate	11	7- 50						
Threonine	27	60- 230						
Tryptophan	16	20- 75						
Taurine	85	170- 1200						
				68 th		95 th		
Beta-alanine	17	< 20						
Beta-aminoisobutyrate	330	< 300						
Anserine	88	< 60						
Carnosine	24	< 35						
Gamma-aminobutyrate	1.2	< 15						
Hydroxyproline	1.5	< 32						

MAGNESIUM DEPENDANT MARKERS								
MAGNESIUM MARKERS	RESULT <small>µMg creatinine</small>	REFERENCE RANGE	PERCENTILE					
			2.5 th	16 th	50 th	84 th	97.5 th	
Citrulline	2	1- 24						
Ethanolamine	63	120- 330						
Phosphoethanolamine	7.5	15- 56						
Phosphoserine	0.15	0.06- 0.6						
Serine	110	130- 400						
Taurine	85	170- 1200						
				68 th		95 th		
Methionine Sulfoxide	0.98	< 10						

B6, B12, & FOLATE DEPENDANT MARKERS								
B-VITAMIN MARKERS	RESULT <small>µMg creatinine</small>	REFERENCE RANGE	PERCENTILE					
			2.5 th	16 th	50 th	84 th	97.5 th	
Serine	110	130- 400						
Alpha-aminoadipate	11	7- 50						
Cysteine	12	20- 57						
Cystathionine	5.5	7- 40						
1-Methylhistidine	270	75- 240						
3-Methylhistidine	940	50- 900						
Alpha amino.N butyrate	9.2	7- 50						
				68 th		95 th		
Beta-aminoisobutyrate	330	< 300						
Beta-alanine	17	< 20						
Homocystine	0.029	< 5						
Sarcosine	2.9	< 35						