

Starting pt 50%

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# URINE AMINO ACIDS



LAB#: U080306-0612-1  
PATIENT: ...  
SEX: Male  
AGE: 33

CLIENT#: 21970  
DOCTOR: Nancy Mullan, MD

2829 W Burbank Blvd #202  
Burbank, CA 91505

## SPECIMEN VALIDITY

SPECIMEN MARKERS	RESULT	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>	
Creatinine	130	45 - 225mg/dL						
Glutamine/Glutamate	9.3	5 - 160						
Ammonia Level	17200	9000 - 39000µM						

<b>SPECIMEN VALIDITY INDEX</b>	
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## ESSENTIAL / CONDITIONALLY INDISPENSABLE AMINO ACIDS

ESSENTIAL AMINO ACIDS	RESULT <small>µM/g creatinine</small>	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	3.6	7 - 35					
Lysine	14	35 - 500					
Threonine	27	60 - 230					
Leucine	30	18 - 70					
Isoleucine	11	8 - 35					
Valine	19	12 - 50					
Phenylalanine	8.5	25 - 75					
Tryptophan	16	20 - 75					
Taurine	85	170 - 1200					
Cysteine	12	20 - 57					
Arginine	6.1	8 - 50					
Histidine	120	270 - 1150					

## NONESSENTIAL AMINO ACIDS

NONESSENTIAL AMINO ACIDS	RESULT <small>µM/g creatinine</small>	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>
Alanine	29	100 - 500					
Aspartate	1.3	7 - 23					
Asparagine	32	40 - 180					
Glutamine	140	180 - 530					
Glutamate	15	5 - 45					
Cystine	12	20 - 90					
Glycine	780	400 - 1800					
Tyrosine	7.5	23 - 113					
Serine	110	130 - 400					
Proline	4	1 - 45					