

Department Chemical Pathology

Assay: Urine Amino Acids by Ion Exchange

Parameter	Units	Reference Range	
		Age (3 months - 36 months)	Age (> 3 years)
Urine Glycine	µmol/mmol creatinine	250- 626	100- 400
Urine Serine	µmol/mmol creatinine	20- 100	20- 50
Urine Threonine	µmol/mmol creatinine	10- 45	10- 25
Urine Proline	µmol/mmol creatinine	0- 3	0- 3
Urine Leucine	µmol/mmol creatinine	3- 10	3- 10
Urine Isoleucine	µmol/mmol creatinine	2- 10	1- 10
Urine Valine	µmol/mmol creatinine	2- 8	2- 8
Urine Alanine	µmol/mmol creatinine	30- 80	20- 80
Urine Glutamine	µmol/mmol creatinine	30- 120	30- 120
Urine Arginine	µmol/mmol creatinine	2- 10	2- 10
Urine Ornithine	µmol/mmol creatinine	2- 10	2- 10
Urine Lysine	µmol/mmol creatinine	5- 30	5- 30
Urine Cysteine	µmol/mmol creatinine	5- 25	5- 20
Urine Methionine	µmol/mmol creatinine	3- 15	3- 10
Urine Taurine	µmol/mmol creatinine	30- 105	40- 200
Urine Phenylalanine	µmol/mmol creatinine	5- 15	4- 15
Urine Tyrosine	µmol/mmol creatinine	5- 15	5- 20
Urine Tryptophan	µmol/mmol creatinine	1- 5	1- 6
Urine Histidine	µmol/mmol creatinine	100- 300	100- 300
Urine Aspartate	µmol/mmol creatinine	10- 35	10- 30
Urine Glutamate	µmol/mmol creatinine	0- 3	0- 3
Urine Homocysteine	µmol/mmol creatinine	0- 5	0- 5