

Random urine ranges	(umole /g creatinine)			
	Newborn	2 mo-1 Yr	1 yr to 12 yr	12 yr to adult
TAURINE	50-4000	50-4700	50-4000	50-4000
PHOSPHOETHANOLAMINE	83-222	83-222	83-222	40-155
ASPARTIC ACID	0-150	0-150	0-90	0-90
THREONINE	150-1490	120-1380	80-550	60-260
SERINE	350-3840	350-2790	200-1100	180-600
GLUTAMIC ACID	0 - 300	0 - 300	0 - 300	0 - 300
GLUTAMINE	250-6800	250-6800	250-2100	250-2100
PROLINE	0 - 1885	0 - 1150	0 - 120	0 - 80
GLYCINE	1000-24000	1000-17000	740-3200	380-1530
ALANINE	550-2900	300-2900	150-1200	140-1200
CITRULLINE	0 - 100	0 - 100	0 - 100	0 - 50
VALINE	25-230	25-230	25-190	25-150
CYSTINE	60-660	60-425	60-180	50-180
METHIONINE	30-260	30-260	30-260	20-145
ISOLEUCINE	0 - 120	0 - 100	0 - 100	0 - 100
LEUCINE	25-250	20-250	20-160	20-125
TYROSINE	50-1600	50-950	50-500	20-225
PHENYLALANINE	35-400	60-400	40-275	25-150
ORNITHINE	0-550	0 - 365	0 - 125	0 - 80
LYSINE	190-2500	115-1800	90-625	60-500
1 METHYLHISTIDINE	100-1600	100-1600	150-2400	160-1500
HISTIDINE	600-3500	600-2500	300-2500	230-1400
3 METHYLHISTIDINE	160-500	160-500	150-600	160-500
ARGININE	0-215	0 - 165	0 - 110	0 - 90