

24 hour urine ranges	(umoles/24 hr)			
	Newborn	2 mo-1 Yr	1 yr to 12 yr	12 yr to adult
TAURINE	26-157	26-157	63-97	687-2349
ASPARTIC ACID	0-37	0-37	0-37	0-548
THREONINE	13-100	13-249	85-249	126-392
SERINE	59-235	59-540	155-540	237-695
GLUTAMIC ACID	2-10	0-68	0-68	0-68
GLUTAMINE				
PROLINE	28-96	0-87	0-87	0-87
GLYCINE	194-787	194-1420	165-1420	906-1319
ALANINE	46-104	46-439	102-439	236-757
CITRULLINE	0-10	0-10	0-10	0-10
VALINE	12-27	15-51	15-51	0-57
CYSTINE	9-14	9-50	21-50	42-115
METHIONINE	0-13	0-95	20-95	0-67
ISOLEUCINE	0-3	0-56	18-56	92-214
LEUCINE	7-15	0-80	21-83	69-183
TYROSINE	22-40	22-168	40-168	83-270
PHENYLALANINE	7-10	7-106	24-106	55-188
ORNITHINE	17-21	0-38	0-38	0-70
LYSINE	39-75	39-642	64-642	48-328
1 METHYLHISTIDINE	7-21	7-2485	24-2485	24-2485
HISTIDINE	103-249	103-1200	306-1285	728-2062
3 METHYLHISTIDINE	5-10	5-273	56-273	56-273
ARGININE	0-7	0-29	0-29	0-65