

BLOOD AMINO ACID REFERENCE RANGES:

	BLOOD (mcmol/L)					
AGE	0-1 month		1 month-1 year		1 year-150 years	
	lower	upper	lower	upper	lower	upper
Alanine	150	500	150	500	150	500
Allo-Isoleucine	NA	<= 5	NA	<= 5	NA	<= 5
Alpha Amino adipic Acid	NA	<= 4	NA	<= 4	NA	<= 4
Alpha Aminobutyric Acid	NA	<= 50	NA	<= 50	NA	<= 50
Arginine	15	150	35	140	35	140
Argininosuccinic Acid	NA	<= 5	NA	<= 5	NA	<= 5
Asparagine	20	90	20	90	20	90
Aspartic Acid	NA	<= 45	NA	<= 30	NA	<= 15
Beta Alanine	NA	<= 20	NA	<= 20	NA	<= 20
Beta Aminoisobutyric Acid	NA	<= 20	NA	<= 5	NA	<= 5
Citrulline	10	50	10	45	10	45
Cystathionine	NA	<= 1	NA	<= 1	NA	<= 2
Cystine	NA	<= 60	10	50	10	50
Gamma Aminobutyric Acid	NA	<= 5	NA	<= 5	NA	<= 5
Glutamic Acid	30	340	30	200	15	130
Glutamine	125	1000	400	900	400	750
Glycine	150	600	125	400	125	400
Glycyl Proline	NA	<= 5	NA	<= 5	NA	<= 5
Histidine	25	185	25	140	25	140
Homocitrulline	NA	<= 10	NA	<= 10	NA	<= 5
Homocystine	NA	<= 2	NA	<= 2	NA	<= 2
Hydroxyproline	NA	<= 100	NA	<= 100	NA	<= 50
Isoleucine	15	145	30	100	30	100
Leucine	40	200	40	180	40	180
Lysine	60	300	85	250	85	250
Methionine	15	70	15	55	10	40
L-Ornithine	25	200	30	150	30	150
Phenylalanine	30	120	30	90	30	90
Phosphoethanolamine	Ranges Not Established / Reported in LIS / NOT Reported in EMR					
Proline	105	330	110	330	110	350
Sarcosine	NA	<= 5	NA	<= 5	NA	<= 5
Serine	80	500	90	250	90	250
S-Sulfocysteine	Ranges Not Established / Reported in LIS / NOT Reported in EMR					
Taurine	30	400	30	250	30	250
Threonine	50	500	40	300	40	200
Tryptophan	15	75	15	75	20	80
Tyrosine	30	300	25	150	25	100
Valine	80	300	80	300	150	350

NA: Not Applicable

1/20/2025