

BLOOD AMINO ACIDS
NORMAL RANGE
mcmol/L

Constituent	Birth- 1 Month	1 Month- 6 Months	6 Months- 1 Year	2 Years- 11 Years	>12
ALANINE	75-500	90-500	150-400	150-400	150-500
B-ALANINE	0-20	0-20	0-20	0-20	0-20
a-AMINO ADIPIC ACID	0-10	0-5	0-5	0-5	0-5
a-AMINO BUTYRIC ACID	0-60	0-50	0-50	0-50	0-50
Gamma-AMINO BUTYRIC ACID	0-5	0-5	0-5	0-5	0-5
B-AMINO ISOBUTYRIC ACID	0-20	0-5	0-5	0-5	0-5
ARGININE	50-160	50-200	70-160	70-160	70-160
ARGININOSUCCINIC ACID	0	0	0	0	0
CARNOSINE	0-20	0-2	0-2	0-2	0-2
CITRULLINE	0-50	10-60	10-40	10-40	10-40
CYSTINE	0-70	10-50	10-50	10-50	25-50
CYSTATHIONINE	0	0	0	0	0
GLUTAMIC ACID	70-340	150-450	60-130	60-130	60-130
GLUTAMINE	125-1000	40-1000	475-750	475-750	475-750
GLYCINE	130-550	60-615	125-300	125-300	125-300
HISTIDINE	25-185	70-140	25-100	25-100	25-100
HOMOCITRULLINE	0-10	0-2	0-2	0-2	0-2
HOMOCYSTINE	0	0	0	0	0
HYDROXYPROLINE	0-100	0-50	0-50	0-50	0-50
ALLO-ISOLEUCINE	0-2	0-2	0-2	0-2	0-2
ISOLEUCINE	15-145	20-135	15-75	15-75	15-75
LEUCINE	20-205	25-230	40-150	40-150	40-150
LYSINE	35-340	75-330	85-205	85-205	85-205
METHIONINE	15-70	15-45	10-50	10-50	10-50
ORNITHINE	25-250	10-215	30-200	30-200	15-200
PHENYLALANINE	30-165	25-150	35-90	35-90	35-90
PROLINE	20-330	90-600	110-230	110-230	110-230
SARCOSINE	0-5	0-5	0-5	0-5	0-5
SERINE	20-500	30-350	90-200	90-200	90-200
TAURINE	ND	ND	ND	ND	ND
THREONINE	55-500	25-365	40-200	40-200	40-200
TRYPTOPHAN	ND	ND	ND	ND	ND
TYROSINE	20-360	40-235	25-85	25-85	25-85
VALINE	50-275	35-410	85-320	85-320	85-320

ND: Normal Range Not Determined