

Amino Acids, Quantitative, Random, Urine

Test ID: AAPD

Explanation: On the effective date, the Reference Values and Result Codes will be updated.

Current Reference Values

Amino Acid		Age groups					
		< or =12 months	13-35 months	3-6 years	7-8 years	9-17 years	> or =18 years
Phosphoserine	PSer	<1	<1	<1	<1	<1	<1
Phosphoethanolamine	PEtN	15-341	33-342	19-164	12-118	<88	<48
Taurine	Tau	37-8300	64-3255	76-3519	50-2051	57-2235	24-1531
Asparagine	Asn	25-1000	62-884	28-412	38-396	22-283	25-238
Serine	Ser	18-4483	284-1959	179-1285	153-765	105-846	97-540
Hydroxyproline	Hyp	<2536	<89	<46	<19	<22	<15
Glycine	Gly	362-18614	627-6914	412-5705	449-4492	316-4249	229-2989
Glutamine	Gln	139-2985	263-2979	152-1325	164-1125	188-1365	93-686
Aspartic Acid	Asp	<64	<56	<30	<9	<11	<10
Ethanolamine	EtN	282-3782	256-947	193-643	137-564	158-596	95-471
Histidine	His	145-3833	427-3398	230-2635	268-2147	134-1983	81-1128
Threonine	Thr	25-1217	55-763	30-554	25-456	37-418	31-278
Citrulline	Cit	<72	<57	<14	<9	<14	<12
Sarcosine	Sar	<75	<12	<9	<2	<3	<3
Beta-Alanine	bAla	<219	<92	<25	<25	<49	<52
Alanine	Ala	93-3007	101-1500	64-1299	44-814	51-696	56-518
Glutamic Acid	Glu	<243	12-128	<76	<39	<62	<34
1-Methylhistidine	1MHis	17-419	18-1629	10-1476	19-1435	12-1549	23-1339
3-Methylhistidine	3MHis	88-350	86-330	56-316	77-260	47-262	70-246
Argininosuccinic Acid	Asa	<77	<48	<37	<24	<69	<15
Carnosine	Car	27-1021	16-616	18-319	<161	<109	<35
Anserine	Ans	<277	<820	<398	<141	<369	<38
Homocitrulline	Hcit	<295	11-158	<71	<62	<33	<30
Arginine	Arg	10-560	20-395	14-240	<134	<153	<114
Alpha-aminoadipic Acid	Aad	10-275	15-324	10-135	<84	<76	<47
Gamma Amino-n-butyrlic Acid	GABA	<25	<13	<11	<6	<5	<5
Beta-aminoisobutyric Acid	bAib	18-3137	<980	15-1039	24-511	11-286	<301
Alpha-amino-n-butyrlic Acid	Abu	<63	<56	<38	<30	<31	<19
Hydroxylysine	Hyl	<150	<57	<34	<26	<31	<12
Proline	Pro	28-2029	<119	<78	<20	<28	<26
Ornithine	Orn	<265	<70	<44	<17	<18	<25
Cystathionine	Cth	<302	<56	<26	<18	<44	<30
Cystine	Cys	12-504	11-133	<130	<56	<104	10-98

Lysine	Lys	19-1988	25-743	14-307	17-276	10-240	15-271
Methionine	Met	<41	<41	<25	<23	<20	<16
Valine	Val	11-211	11-211	<139	16-91	<75	11-61
Tyrosine	Tyr	39-685	38-479	23-254	22-245	12-208	15-115
Isoleucine	Ile	<86	<78	<62	<34	<28	<22
Leucine	Leu	<200	15-167	12-100	13-73	<62	<51
Phenylalanine	Phe	14-280	34-254	20-150	21-106	11-111	13-70
Tryptophan	Trp	14-315	14-315	10-303	10-303	15-229	18-114
Allo-isoleucine	Allolle	<29	<10	<8	<8	<8	<7

New Reference Values

Amino Acid		Age groups				
		< 2 months	2-35 months	3-6 years	7-17 years	> or =18 years
Taurine	Tau	< 9026	< 5604	< 3680	< 3954	< 2134
Asparagine	Asn	< 687	< 1159	< 238	< 322	< 204
Serine	Ser	< 3202	< 2741	< 1386	< 1116	< 658
Hydroxyproline	Hyp	< 2254	< 1775	< 89	< 42	< 48
Glycine	Gly	< 13336	< 9872	< 4997	< 4467	< 4068
Glutamine	Gln	< 2931	< 3681	< 1124	< 1038	< 764
Aspartic Acid	Asp	< 290	< 72	< 46	< 13	< 12
Ethanolamine	EtN	< 1589	< 1765	< 776	< 536	< 500
Histidine	His	< 3806	< 4578	< 2596	< 2294	< 1508
Threonine	Thr	< 1930	< 1769	< 496	< 575	< 384
Citrulline	Cit	< 61	< 67	< 23	< 17	< 34
Sarcosine	Sar	< 177	< 52	< 6	< 10	< 6
Beta-Alanine	bAla	< 174	< 79	< 99	< 139	< 58
Alanine	Ala	< 2856	< 2360	< 961	< 794	< 472
Glutamic Acid	Glu	< 281	< 210	< 127	< 63	< 62
1-Methylhistidine	1MHis	< 493	< 470	< 517	< 453	< 265
3-Methylhistidine	3MHis	< 196	< 662	< 3346	< 2027	< 1920
Argininosuccinic Acid	Asa	< 96	< 103	< 65	< 57	< 37
Homocitrulline	Hcit	< 164	< 169	< 110	< 107	< 87
Arginine	Arg	< 250	< 147	< 81	< 42	< 65
Alpha-aminoadipic Acid	Aad	< 264	< 397	< 349	< 138	< 73
Gamma Amino-n-butyrlic Acid	GABA	< 8	< 14	< 4	< 3	< 4
Beta-aminoisobutyric Acid	bAib	< 2214	< 2488	< 840	< 251	< 265
Alpha-amino-n-butyrlic Acid	Abu	< 58	< 44	< 37	< 29	< 19
Hydroxylysine	Hyl	< 101	< 87	< 44	< 22	< 16
Proline	Pro	< 1776	< 1028	< 29	< 42	< 98
Ornithine	Orn	< 344	< 238	< 228	< 291	< 193
Cystathionine	Cth	< 118	< 53	< 23	< 24	< 33
Cystine	Cys	< 486	< 285	< 111	< 84	< 142
Lysine	Lys	< 2217	< 1321	< 814	< 463	< 295
Methionine	Met	< 76	< 45	< 24	< 22	< 15
Valine	Val	< 308	< 258	< 119	< 91	< 73
Tyrosine	Tyr	< 453	< 603	< 289	< 371	< 155

Isoleucine	Ile	< 99	< 131	< 52	< 29	< 26
Leucine	Leu	< 286	< 215	< 87	< 70	< 64
Phenylalanine	Phe	< 342	< 306	< 178	< 123	< 98
Tryptophan	Trp	< 241	< 329	< 222	< 218	<140
Allo-isoleucine	Allolle	< 3	< 6	< 1	< 2	< 4

Current Result Codes	
Result ID	Reporting Name
34466	Phosphoserine
34467	Phosphoethanolamine
3452	Taurine
3456	Asparagine
3455	Serine
34477	Hydroxyproline
3460	Glycine
3457	Glutamine
34478	Aspartic Acid
34479	Ethanolamine
3477	Histidine
3454	Threonine
3459	Citrulline
34480	Sarcosine
3472	Beta-alanine
3461	Alanine
3458	Glutamic Acid
3476	1-Methylhistidine
3478	3-Methylhistidine
34481	Argininosuccinic Acid
3479	Carnosine
34482	Anserine
34483	Homocitrulline
3480	Arginine

New Result Codes	
Result ID	Reporting Name
3481	Interpretation (AAPD)
3452	Taurine
3456	Asparagine
3455	Serine
34477	Hydroxyproline
3460	Glycine
3457	Glutamine
34478	Aspartic Acid
34479	Ethanolamine
3477	Histidine
3454	Threonine
3459	Citrulline
34480	Sarcosine
3472	Beta-alanine
3461	Alanine
3458	Glutamic Acid
3476	1-Methylhistidine
3478	3-Methylhistidine
34481	Argininosuccinic Acid
34483	Homocitrulline
3480	Arginine

3462	Alpha-aminoadipic Acid
34484	Gamma-amino-n-butyric Acid
3473	Beta-aminoisobutyric Acid
3463	Alpha-amino-n-butyric Acid
34485	Hydroxylysine
3483	Proline
3474	Ornithine
3466	Cystathionine
3465	Cystine
3475	Lysine
3467	Methionine
3464	Valine
3470	Tyrosine
3468	Isoleucine
3469	Leucine
3471	Phenylalanine
34486	Tryptophan
34487	Allo-isoleucine
3481	Interpretation (AAPD)
113130	Reviewed By

3462	Alpha-aminoadipic Acid
34484	Gamma-amino-n-butyric Acid
3473	Beta-aminoisobutyric Acid
3463	Alpha-amino-n-butyric Acid
34485	Hydroxylysine
3483	Proline
3474	Ornithine
3466	Cystathionine
3465	Cystine
3475	Lysine
3467	Methionine
3464	Valine
3470	Tyrosine
3468	Isoleucine
3469	Leucine
3471	Phenylalanine
34486	Tryptophan
34487	Allo-isoleucine
113130	Reviewed By

Questions

Contact Melissa Tricker-Klar, Laboratory Resource Coordinator at 800-533-1710.