

有機酸新、舊參考值對照表

項 目	成人參考值(≥13歲)		小孩參考值(≤12歲)	
	原參考值	新參考值	原參考值	新參考值
1 Adipate	≤8.3	≤7.25	≤6.20	≤8.16
2 Suberate	≤5.0	≤6.47	≤5.5	≤12.5
3 Ethylmalonate	≤5.9	≤6.12	≤7.9	≤9.13
4 Pyruvate	1.4-7.4	0.23-7.38	1.9-9.1	1.9-9.1
5 Lactate	2.8-24	2.8-32.8	4.4-22	4.4-22
6 BHBA	≤6.7	≤3.98	≤4.4	≤4.4
7 Citrate	105-860	63-748	120-860	135-967
8 Cis-aconitate	33-100	29.5-103	21-105	31.4-157
9 Isocitrate	45-155	38.8-116	54-187	54-188
10 AKA	0.9-20	0.9-23.7	4.0-40	5.26-52.6
11 Succinate	≤25.0	≤18.7	≤17.0	≤54.58
12 Fumarate	≤1.56	≤0.79	≤1.10	≤1.10
13 Malate	≤2.1	≤2.00	≤2.4	≤2.4
14 HMG	≤7.6	≤7.27	≤10.5	≤19.8
15 AKIV	≤0.7	≤0.2	≤0.4	≤0.22
16 AKIC	≤1.1	≤0.88	≤1.2	≤1.2
17 AKBM	≤2.2	≤2.13	≤1.6	≤1.6
18 Xanthurenate	≤0.85	≤0.63	≤1.4	≤0.63
19 BHIVA	≤16.6	≤17.0	≤27	≤33.3
20 MMA	≤3.3	≤2.83	≤5.0	≤5.0
21 FIGLU	≤0.84	≤0.38	≤0.55	≤0.55
22 HVA	1.2-7.0	1.54-4.82	2.3-9.0	2.7-10.6
23 VMA	1.6-6.0	0.72-5.96	2.8-12.5	2.1-9.2
24 5-HIAA	0.9-4.4	0.28-5.96	1.5-8.3	2.4-13.5
25 Kynurenate	≤3.2	≤1.85	≤4.2	≤2.8
26 Picolinate	0.04-0.24	0.03-0.32	0.01-0.55	0.013-0.68
27 Quinolate	≤15.8	≤8.54	≤32	≤18.1
28 2-MetHip	≤0.15	≤0.08	≤0.25	≤0.13
29 Mandalate	≤0.6	≤0.37	≤0.75	≤0.75
30 PGA	≤0.56	≤0.44	≤0.75	≤0.75
31 Glucarate	≤12.5	≤11.0	≤20	≤15.2
32 AHBA	≤11.0	≤7.37	≤17	≤6.55
33 Pyroglutamate	5.2-21.6	6.73-27.3	5.0-27	8.85-47.8
34 Orotate	≤0.88	≤0.90	≤0.65	≤1.42
35 Benzoate	≤0.9	6.97	≤2.2	≤25.2
36 Hippurate	≤600	≤435	≤280	≤517

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	原參考值	新參考值	原參考值	新參考值
37 PAA	≤1.4	≤1.71	≤0.55	≤7.60
38 PPA	≤0.003	≤0.102	≤0.005	≤0.10
39 4-HBA	≤2.0	≤3.58	≤2.0	≤7.96
40 4-HPAA	≤37.0	≤25.3	≤35	≤35
41 IAA	≤7.6	≤7.6	≤4.6	≤4.6
42 DHPPA	≤1.1	≤1.1	≤0.4	≤2.64
43 Tricarballylate	≤1.6	≤1.25	≤2.4	≤1.77
44 Citramate	≤10.5	≤6.31	≤16.5	≤9.92
45 Tartarate	≤40.4	≤8.40	≤50	≤10.4
46 Arabinitol	≤15.1	≤5.82	≤2.0	≤7.33