

Second-tier Methylmalonic/Propionic Acidemia and Homocystinuria by LC-MS/MS (MMA-HCYQC)

Set 2 - June 2021

Analysis Method: LC-MS/MS

Expiration Date: February 2022

Material Storage: -20°C ± 10°C

Units: µmol/L blood

Lot	Analyte	Enrichment	Mean Value	95% LL	95% UL
A2014	Malonic Acid (MA2)	0	6.30	3.67	8.94
A2014	Methylmalonic Acid (MMA2)	2	1.40	0.83	1.96
A2014	Ethylmalonic Acid (EMA2)	2	1.76	0.50	3.02
A2014	2-Methylcitric Acid (MCA2)	1	2.43	0.00	5.29
A2014	Total Homocysteine (tHCY2)	0	3.62	2.90	4.35
B2014	Malonic Acid (MA2)	5	9.63	7.25	12.02
B2014	Methylmalonic Acid (MMA2)	5	3.08	1.96	4.20
B2014	Ethylmalonic Acid (EMA2)	5	3.77	1.23	6.32
B2014	2-Methylcitric Acid (MCA2)	2.5	3.41	0.94	5.88
B2014	Total Homocysteine (tHCY2)	10	6.34	5.00	7.69
C2014	Malonic Acid (MA2)	20	20.57	17.82	23.33
C2014	Methylmalonic Acid (MMA2)	20	11.72	9.57	13.87
C2014	Ethylmalonic Acid (EMA2)	20	13.73	8.92	18.54
C2014	2-Methylcitric Acid (MCA2)	10	10.72	6.67	14.77
C2014	Total Homocysteine (tHCY2)	50	16.71	13.72	19.71
D2014	Malonic Acid (MA2)	50	45.12	38.95	51.28
D2014	Methylmalonic Acid (MMA2)	50	29.86	25.51	34.21
D2014	Ethylmalonic Acid (EMA2)	50	35.68	28.57	42.80
D2014	2-Methylcitric Acid (MCA2)	25	22.22	14.83	29.61
D2014	Total Homocysteine (tHCY2)	100	32.23	26.76	37.69