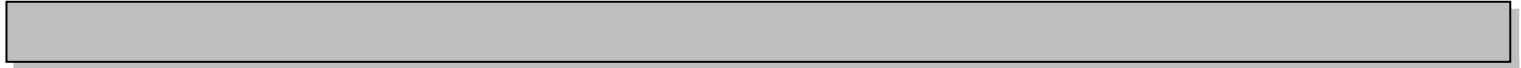
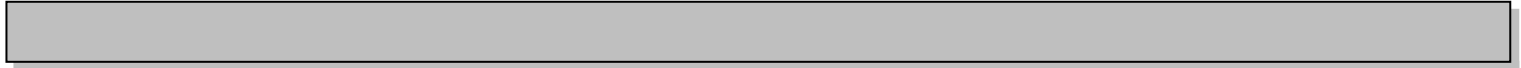


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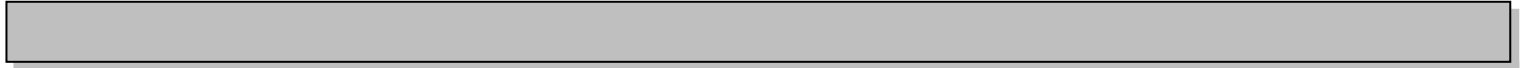
Medium Chain Acyl CoA Dehydrogenase Deficiency		C6 < 0.24 C8 < 0.35 C10 < 0.3 C10:1 < 0.22 C8/C2 < 0.02 C8/C10 < 3
Long Chain 3 Hydroxyacyl Coa Dehydrogenase Deficiency		C16OH < 0.1 C16OH/C16 < 0.02 C18:1OH < 0.09
Trifunctional Protein Deficiency		C16OH < 0.1 C16OH/C16 < 0.02 C18:1OH < 0.09
Very Long Chain Acyl CoA Dehydrogenase Deficiency		C12:1 < 0.31 C14 < 0.65 C14:1 < 0.52 C14:1/C2 < 0.02 C14:1/C16 < 0.16
Short Chain Acyl CoA Dehydrogenase Deficiency		C4 < 1.02 C4/C3 < 0.65 C4/C2 < 0.05 C4/C8 < 22
Carnitine Palmitoyltransferase Deficiency Type I		C0 < 55 C0/(C16+C18) < 27.9 OR (C16+C18:1)/C2 > 0.1
Carnitine Palmitoyltransferase Deficiency Type II		C12 < 0.7 C14 < 0.65 C16 < 6.95 (C16+C18:1)/C2 < 0.45

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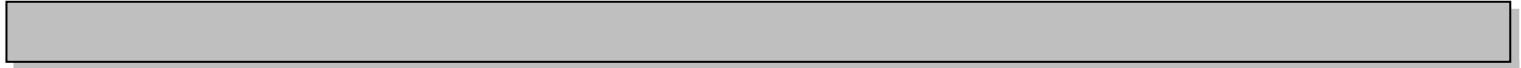
Glutaryl Coa Dehydrogenase Deficiency		C8 < 0.35 C10 < 0.03 C12 < 0.7 C12:1 < 0.31 C14:1 < 0.54 C8/C2 < 0.02
2,4 Dienoyl CoA Reductase Deficiency		C10:2 < 0.11
Carnitine / AcylCarnitine Translocase Deficiency		C14 < 0.65 C16 < 6.95 C18 < 1.82 C18:1 < 2.5 C14:1/C2 < 0.02 C0/(C16+C18) > 2.7 (C16+C18:1)/C2 < 0.45
Carnitine Uptake Defect		C0 > 10.4
Short Chain HydroxyAcyl Coa Dehydrogenase Deficiency		C4OH < 0.53 C6OH < 0.13
Medium Chain 3-Ketoacyl Coa Deficiency		C6OH < 0.13 C8 < 0.35 C3DC/C10 < 4 C8/C2 < 0.02 C8/C10 < 3

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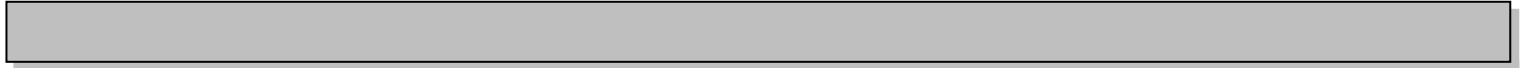
3 Hydroxy - 3 Methyl Glutaryl CoA Lyase (HMG)		C5OH < 0.41 C6DC < 0.1 C5OH/C0 < 0.026 C5OH/C8 < 12.5
Glutaryl CoA Dehydrogenase Deficiency Type		C5DC < 0.14 C5DC/C5OH < 1.5 C5DC/C8 < 2.5 C5DC/C16 < 0.09
Isobutyryl CoA Dehydrogenase Deficiency		C4 < 1.02 C4/C2 < 0.05 C4/C3 < 0.65
Isovaleryl CoA Dehydrogenase Deficiency		C5 < 0.4 C5/C0 < 0.023 C5/C2 < 0.027 C5/C3 < 0.48
2-Methylbutyryl CoA Dehydrogenase Deficiency		C5 < 0.4 C5/C0 < 0.023 C5/C2 < 0.027 C5/C3 < 0.48
3-Methylcrotonyl CoA Carboxylase Deficiency		C5OH < 0.41 C5OH/C0 < 0.026 C5OH/C8 < 12.5
3 Methylglutaconyl CoA Hydratase Deficiency		C5OH < 0.41 C5OH/C0 < 0.026 C5OH/C8 < 12.5

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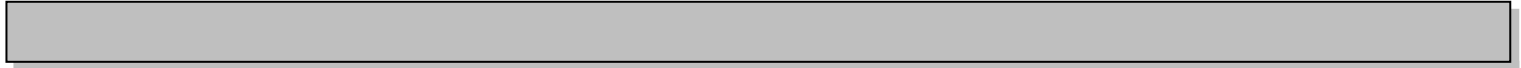
Methylmalonyl CoA mutase(0,+) Deficiency		C3 < 4.9 C4DC < 0.6 C3/C2 < 0.23 C3/C16 < 2.1
Adenosyl Cobalamin Synthesis Defects (CblA,B)		C3 < 4.9 C3/C2 < 0.23 C3/C16 < 2.1
Methylmalonic Acidemia and Homocystinuria (CblC,D)		C3 < 4.9 C3/C2 < 0.23 C3/C16 < 2.1 C3/Methionine < 0.34
Maternal Vitamin B12 Deficiency		C3 < 4.9 C3/C2 < 0.23 C3/C16 < 2.1 C3/Methionine < 0.34
Mitochondrial Acetoacetyl CoA Thiolase Deficiency		C4OH<0.53 C5OH<0.41 C5:1<0.17 C5OH/C0<0.026
Propionyl CoA Carboxylase Deficiency (Propionic Acidemia)		C3 < 4.9 C3/C2 < 0.23 C3/C16 < 2.1
Holocarboxylase Synthetase Deficiency		C5OH < 0.41 C5OH/C0 < 0.026 C5OH/C8 < 12.5
Malonyl CoA Decarboxylase Deficiency (Malonic Aciduria)		C3DC < 0.19 C3DC/C10 < 4

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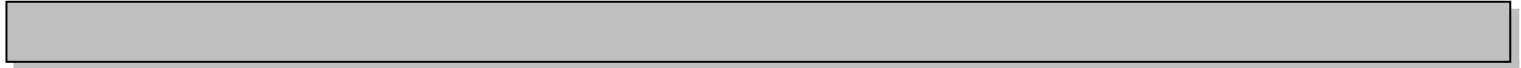
2 Methyl - 3 Hydroxybutyryl CoA Dehydrogenase Deficiency		C5OH < 0.41 C5:1 < 0.17 C5OH/C0 < 0.026 C5OH/C8 < 12.5
Ethylmalonic Encephalopathy		C4 < 1.02 C4/C3 < 0.5 (C4X C5)/C0 < 0.01
Formiminoglutamic Aciduria		C4 < 1.02 C4/C2 < 0.05 C4/C3 < 0.65

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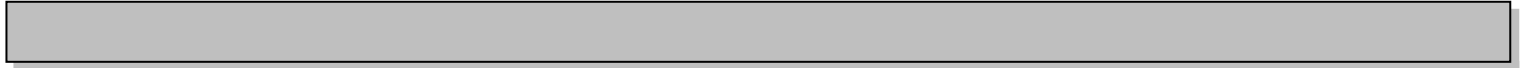
Biopterin Biosynthesis Defects		Phenylalanine < 130 μmol/L Phenylalanine/Tyrosine < 2.82
Biopterin Regeneration Defects		Phenylalanine < 130 μmol/L Phenylalanine/Tyrosine < 2.82
Hyperphenylalaninemia		Phenylalanine < 130 μmol/L Phenylalanine/Tyrosine < 2.82
Phenylketonuria		Phenylalanine < 130 μmol/L Phenylalanine/Tyrosine < 2.82
Argininemia		Arginine < 32 μmol/L
Arginino Succinic Aciduria (ASA Lyase Deficiency)		ASA < 0.9 μmol/L Citrulline < 34.7 μmol/L ASA/Arginine < 0.3 Citrulline/Arginine < 6 Citrulline/Phenylalanine < 0.59
Carbamoylphosphate Synthetase Deficiency		Citrulline > 5.3 μmol/L Glutamine/Citrulline < 18 Glutamic Acid/Citrulline < 60 Citrulline/Phenylalanine > 0.1

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Ornithine Transcarbamylase Deficiency		Citrulline > 5.3 μmol/L Glutamine/Citrulline < 18 Glutamic Acid/Citrulline < 60 Citrulline/Phenylalanine > 0.1
Citrullinemia Type I		Citrulline < 34.7 μmol/L Citrulline/Arginine < 6 Citrulline/Phenylalanine < 0.59
Citrullinemia Type II		Citrulline < 34.7 μmol/L Citrulline/Arginine < 6 Citrulline/Phenylalanine < 0.59
Homocystinuria		Methionine < 46 μmol/L Methionine/Phenylalanine < 0.95
Methionine Adenosyltransferase (MAT I/III) Deficiency		Methionine < 46 μmol/L Methionine/Phenylalanine < 0.95
Maple Syrup Urine Disease (MSUD)		Leucine < 235 μmol/L Valine < 210 μmol/L Leucine/Alanine < 1.2 Leucine/Phenylalanine < 4 Valine/Phenylalanine < 4.8
MTHFR		Methionine > 12 μmol/L Methionine/Phenylalanine > 0.3
Tyrosinemia Type I		Tyrosine < 190 μmol/L

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Tyrosinemia Type II		Tyrosine < 190 μ mol/L
Tyrosinemia Type III		Tyrosine < 190 μ mol/L
Transient neonatal Tyrosinemia		Tyrosine < 190 μ mol/L

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Wasting 21 Hydroxylase Deficiency (Salt)		$) > 10 \mu$ 17 OH PRG < 55 $) \leq 10 \mu$ > 2500 17 OH PRG < 77 $) \leq 10 \mu$ < 2500 17 OH PRG < 88
(Simple Virilizing 21 Hydroxylase Deficiency)		$) > 10 \mu$ 17 OH PRG < 55 $) \leq 10 \mu$ > 2500 17 OH PRG < 77 $) \leq 10 \mu$ < 2500 17 OH PRG < 88
Cystic Fibrosis		$) \geq 2500,$ IRT < 77 $) < 2500,$ IRT < 110

