

NEWBORN SCREENING EXTENDED**(TMS, Fluoro Immuno Assay)**

AMINO ACIDS	
Alanine	<1270
Arginine	<132
Citrulline	<70
Glycine	<505
Leucine	<385
Methionine	<77
Ornithine	<278
Phenyl alanine	<165
Tyrosine	<550
Valine	<306
AMINO ACID MOLAR RATIOS	
Methionine / Leucine	<0.42
Methionine / Phenylalanine	<0.70
Ornithine / Citrulline	<1.50
Phenylalanine / Tyrosine	<2.00
Leucine / Alanine	0.12-0.53
Leucine / Tyrosine	0.50-3.50
CARNITINE	
Free carnitine (C0)	8-100
ACYLCARNITINES	
Acetylcarnitine (C2)	8-150
Propionylcarnitine (C3)	<6
Butyrylcarnitine (C4)	<2
Isovalerylcarnitine (C5)	<1.70
Glutaryl carnitine (C5DC)	<0.84
C5OH	<0.68
C5:1	<0.24
Hexanoylcarnitine (C6)	<0.72
Octanoylcarnitine (C8)	<0.51
C8:1	<0.80
Decanoylcarnitine (C10)	<0.40
C10: 1	<0.40
Lauroylcarnitine (C12)	<0.94
Myristoylcarnitine (C14)	<0.70
C14:1	<0.51
Palmitoylcarnitine (C16)	<12.50
C16OH	<0.20
Octadecanoylcarnitine (C18)	0.60-3.50
C18OH	<0.10
ACYLCARNITINE MOLAR RATIOS	
C4 / C2	<0.31
C4 / C3	<1.18
C3 / C0	<0.27

C3 / C2		<0.45
C8 / C10		<0.34
C8 / C10: 1		<8.75
C8 / C2		<0.03
C0 / (C16 + C18)		<70
C5 / C2		<0.16
C5 / C3		<0.29
C5DC / C3		<0.27
C5DC / C16		<0.68

Impression

Advised

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