

Acylcarnitine Profile, Qual Components and Reference Ranges

C0 (Free Carnitine)	
mcmol/L	
0 up to 7 days	7.0-64.0
7 days up to 7 years	10.0-63.0
7 years and up	10.0-56.0
C2 (Acetyl)	
mcmol/L	
0 up to 7 days	2.0-10.0
7 days up to 7 years	2.0-13.0
7 years and up	2.0-16.0
C3 (Propionyl)	
mcmol/L	
0 up to 7 days	0.0-1.40
7 days up to 7 years	0.0-1.33
7 years and up	0.00-0.78
C4 (Butyryl/isobutyryl)	
mcmol/L	
0 up to 7 days	0.00-0.34
7 days up to 7 years	0.00-51
7 years and up	0.00-0.44
C4-OH (3-hydroxybutyryl/3-hydroxyisobutyryl)	
mcmol/L	
0 up to 7 days	0.00-0.43
7 days and up	0.00-0.36
C5 (isovaleryl)	
mcmol/L	
0 up to 7 days	0.00-0.35
7 days and up	0.00-0.16
C6-OH (hydroxyhexanoyl)	
mcmol/L	
Unspecified	0.00-0.10
C5:1 (Tiglyl)	
mcmol/L	
Unspecified	0.00-0.10
C5-OH (3-hydroxyisovaleryl)	
mcmol/L	
Unspecified	0.00-0.10
C8 (Octanoyl)	
mcmol/L	
0 up to 7 years	0.00-0.40
7 years and up	0.00-0.25
C8:1 (Octenoyl)	
mcmol/L	
Unspecified	0.00-0.54
C8-OH (3-Hydroxyoctanoyl)	
mcmol/L	
Unspecified	0.00-0.13
C10 (Decanoyl)	
mcmol/L	
0 up to 7 years	0.00-0.28
7 years and up	0.00-0.34
C10:1 (Decenoyl)	
mcmol/L	
0 up to 7 years	0.00-0.15
7 years and up	0.00-0.22
C10:2 (Decandienoyl)	
mcmol/L	
Unspecified	0.00-0.10

C10-OH (3-hydroxydecanoyl)	
mcmol/L	
Unspecified	0.00-0.10
C12 (dodecanoyl)	
mcmol/L	
0 up to 7 days	0.00-0.20
7 days up to 7 years	0.00-0.17
7 years and up	0.00-0.11
C12:1 (dodecenoyl)	
mcmol/L	
Unspecified	0.00-0.30
C12-OH (3-hydroxydodecanoyl)	
mcmol/L	
Unspecified	0-00-0.10
C14 (Tetradecanoyl)	
mcmol/L	
0 up to 7 days	0.00-0.13
7 days and up	0.00-0.10
C14:1 (Tetradecenoyl)	
mcmol/L	
0 up to 7 years	0.00-0.22
7 years and up	0.00-0.27
C14:1-OH (3-hydroxytetradecnoyl)	
mcmol/L	
0 up to 7 days	0.00-0.10
7 days up to 7 years	0.00-0.20
7 years and up	0.00-0.10
C14:2 (Tetradecadienoyl)	
mcmol/L	
Unspecified	0.00-0.12
C14:2-OH (3- hydroxytetradecadienoyl)	
mcmol/L	
Unspecified	0.00-0.10
C14-OH (3-hydroxytetradecanoyl)	
mcmol/L	
Unspecified	0.00-0.10
C16 (Hexadecanoyl)	
mcmol/L	
0 up to 7 days	0.00-0.53
7 days up to 7 years	0.00-0.31
7 years and up	0.00-0.23
C16:1 (Hexadecenoyl)	
mcmol/L	
Unspecified	0.00-0.10
C16:1-OH (3-hydroxyhexadecenoyl)	
mcmol/L	
Unspecified	0.00-0.10
C16-OH (3-hydroxyhexadecanoyl)	
mcmol/L	
Unspecified	0.00-0.10
C18 (Octadecanoyl)	
mcmol/L	
Unspecified	0.00-0.10
C18:1 (Octadecenoyl)	
mcmol/L	
0 up to 7 days	0.00-0.30
7 days and up	0.00-0.10

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C18:1-OH (3-hydroxyoctadecenoyl)	
mcmol/L	
Unspecified	0.00-0.010
C18:2 (Octadecadienoyl)	
mcmol/L	
0 up to 7 days	0.00-0.30
7 days and up	0.00-0.10
C18:2-OH (3-hydroxyoctadecadienoyl)	
mcmol/L	
Unspecified	0.00-0.10
C18-OH (3-hydroxyoctadecenoyl)	
mcmol/L	
Unspecified	0.00-0.10
C3-DC (Malonyl)	
mcmol/L	
Unspecified	0.00-0.10
C4-DC (Succinyl)	
mcmol/L	
Unspecified	0.00-0.10
C4-DC (Methylmalonyl)	
mcmol/L	
Unspecified	0.00-0.10
C5-DC (Glutarycarnitine)	
mcmol/L	
Unspecified	0.00-0.10
C6-DC (Methylglutaryl)	
mcmol/L	
Unspecified	0.00-0.20
FIGLU (Formiminoglutamate)	
mcmol/L	
Unspecified	0.00-0.10
S- (-carboxypropyl) Cysteine Carnitine, Dibutyl	
mcmol/L	
Unspecified	0.00-0.05
S- (2-carboxypropyl) Cysteine Carnitine, Monobutyl	
mcmol/L	
Unspecified	0.00-0.05
Underiv. d3-C16	
Counts	
Unspecified	<100,000.00
C0-d9	
Counts	
Unspecified	>=1,526,600
C2-d3	
Counts	
Unspecified	>=358,832
C3-d3	
Counts	
Unspecified	>=81,981
C4-d3	
Counts	
Unspecified	>=81,972
C5-d9	
Counts	
Unspecified	>=73,386

C5-DC-d3	
Counts	
Unspecified	>=96,088
C5-OH-d3	
Counts	
Unspecified	>=160,069
C8-d3	
Counts	
Unspecified	>=100,000
C14-d9	
Counts	
Unspecified	>=100,000
C16-d3	
Counts	
Unspecified	>=200,000
C16-OH-d3	
Counts	
Unspecified	>=140,000
C18-D3	
Counts	
Unspecified	>=100,000
C3/C2	
Calc	
0 up to 7 days	0.00-0.25
7 days and up	0.00-0.22
C8/C10	
Calc	
Unspecified	0-3
C8/C2	
Calc	
Unspecified	0.000-0.030
C14:1/C2	
Calc	
Unspecified	0.00-0.04
C14:1/C12:1	
Calc	
Unspecified	0-3
C0/(C16+C18)	
Calc	
Unspecified	0-800
(C16+C18)/C2	
Calc	
Unspecified	0.0-0.1