

## List of Metabolites: the Absolute/DQ<sup>®</sup> p400 HR Kit

For detailed information on the composition of the sum signals of acylcarnitines, diglycerides, triglycerides, lysophosphatidylcholines, phosphatidylcholines, sphingomyelins, ceramides, and cholesteryl esters please refer to the List of Isomers for the Absolute/DQ<sup>®</sup> p400 HR Kit.

Absolute/DQ <sup>®</sup> p400 HR Kit			
Amino Acids (21)			
Ala	Alanine	Lys	Lysine
Arg	Arginine	Met	Methionine
Asn	Asparagine	Orn	Ornithine
Asp	Aspartate	Phe	Phenylalanine
Cit	Citrulline	Pro	Proline
Glu	Glutamate	Ser	Serine
Gln	Glutamine	Thr	Threonine
Gly	Glycine	Trp	Tryptophan
His	Histidine	Tyr	Tyrosine
Ile	Isoleucine*	Val	Valine
xLeu	Leucine + Isoleucine		

\* analyzed by additional LC-MS injection in parallel reaction monitoring (PRM) mode

Biogenic Amines (21)			
AcOrn	Acetylornithine	Nitro-Tyr	Nitrotyrosine
ADMA	Asymmetric dimethylarginine	PEA	Phenylethylamine
alpha-AAA	alpha-Amino adipic acid	Putrescine	Putrescine
Carnosine	Carnosine	Sarcosine	Sarcosine
c4-OH-Pro	cis-4-Hydroxyproline	SDMA	Symmetric dimethylarginine
Creatinine	Creatinine	Serotonin	Serotonin
DOPA	Dihydroxyphenylalanine	Spermidine	Spermidine
Dopamine	Dopamine	Spermine	Spermine
Histamine	Histamine	Taurine	Taurine
Kynurenine	Kynurenine	t4-OH-Pro	trans-4-Hydroxyproline
Met-SO	Methionine sulfoxide		

Monosaccharides (1)			
H1	Hexoses (including glucose)		

Acylcarnitines (55)			
AC(0:0)	Carnitine	AC(4:1-DC)	Fumaryl carnitine
AC(2:0)	Acetylcarnitine	AC(5:0)	Valerylcarnitine
AC(3:0)	Propionyl carnitine	AC(5:0-DC)	Glutaryl carnitine
AC(3:0-DC)	Malonyl carnitine	AC(5:0-OH)	Hydroxyvalerylcarnitine
AC(3:0-OH)	Hydroxypropionyl carnitine	AC(5:1)	Tiglylcarnitine
AC(3:1)	Propenoyl carnitine	AC(5:1-DC)	Glutaconyl carnitine
AC(4:0)	Butyryl carnitine	AC(6:0)	Hexanoyl carnitine
AC(4:0-DC)	Methylmalonyl carnitine	AC(6:0-DC)	Adipoyl carnitine
AC(4:0-OH)	Hydroxybutyryl carnitine	AC(6:0-OH)	Hydroxyhexanoyl carnitine
AC(4:1)	Butenyl carnitine	AC(6:1)	Hexenoyl carnitine

AC(7:0)	Heptanoylcarnitine	AC(14:1-DC)	Carboxytridecenoylcarnitine
AC(7:0-DC)	Pimeloylcarnitine	AC(14:1-OH)	Hydroxytetradecenoylcarnitine
AC(8:0)	Octanoylcarnitine	AC(14:2)	Tetradecadienoylcarnitine
AC(8:1)	Octenoylcarnitine	AC(14:2-OH)	Hydroxytetradecadienoylcarnitine
AC(8:1-OH)	Hydroxyoctenoylcarnitine	AC(15:0)	Pentadecanoylcarnitine
AC(9:0)	Nonanoylcarnitine	AC(16:0)	Hexadecanoylcarnitine
AC(10:0)	Decanoylcarnitine	AC(16:0-OH)	Hydroxyhexadecanoylcarnitine
AC(10:1)	Decenoylcarnitine	AC(16:1)	Hexadecenoylcarnitine
AC(10:2)	Decadienoylcarnitine	AC(16:1-OH)	Hydroxyhexadecenoylcarnitine
AC(10:3)	Decatrienoylcarnitine	AC(16:2)	Hexadecadienoylcarnitine
AC(11:0)	Dimethylnonanoylcarnitine	AC(16:2-OH)	Hydroxyhexadecadienoylcarnitine
AC(12:0)	Dodecanoylcarnitine	AC(17:0)	Heptadecanoylcarnitine
AC(12:0-DC)	Dodecanedioylcarnitine	AC(18:0)	Octadecanoylcarnitine
AC(12:1)	Dodecenoylcarnitine	AC(18:1)	Octadecenoylcarnitine
AC(13:0)	Tridecanoylcarnitine	AC(18:1-OH)	Hydroxyoctadecenoylcarnitine
AC(14:0)	Tetradecanoylcarnitine	AC(18:2)	Octadecadienylcarnitine
AC(14:0-OH)	Hydroxymyristoylcarnitine	AC(19:0)	Nonadecanoylcarnitine
AC(14:1)	Tetradecenoylcarnitine		

### Diglycerides (18)

DG(32:1)	DG(36:3)	DG(41:1)	DG-O(32:2)
DG(32:2)	DG(36:4)	DG(42:0)	DG-O(34:1)
DG(34:1)	DG(38:0)	DG(42:1)	DG-O(36:4)
DG(34:3)	DG(38:5)	DG(42:2)	
DG(36:2)	DG(39:0)	DG(44:3)	

### Triglycerides (42)

TG(44:1)	TG(50:3)	TG(52:6)	TG(54:7)
TG(44:2)	TG(50:4)	TG(52:7)	TG(55:6)
TG(44:4)	TG(51:1)	TG(53:3)	TG(55:7)
TG(46:2)	TG(51:2)	TG(53:4)	TG(55:8)
TG(48:1)	TG(51:3)	TG(53:5)	TG(55:9)
TG(48:2)	TG(51:4)	TG(53:6)	TG(56:6)
TG(48:3)	TG(51:5)	TG(54:2)	TG(56:7)
TG(49:1)	TG(52:2)	TG(54:3)	TG(56:8)
TG(49:2)	TG(52:3)	TG(54:4)	TG(56:9)
TG(50:1)	TG(52:4)	TG(54:5)	
TG(50:2)	TG(52:5)	TG(54:6)	

### Lysophosphatidylcholines (24)

LPC(12:0)	LPC(17:1)	LPC(20:2)	LPC(24:1)
LPC(14:0)	LPC(18:0)	LPC(20:3)	LPC-O(16:1)
LPC(15:0)	LPC(18:1)	LPC(20:4)	LPC-O(17:1)
LPC(16:0)	LPC(18:2)	LPC(22:5)	LPC-O(18:0)
LPC(16:1)	LPC(20:0)	LPC(22:6)	LPC-O(18:1)
LPC(17:0)	LPC(20:1)	LPC(24:0)	LPC-O(18:2)

Phosphatidylcholines (172)			
PC(24:0)	PC(36:1)	PC(41:5)	PC-O(34:0)
PC(25:0)	PC(36:2)	PC(41:8)	PC-O(34:1)
PC(26:0)	PC(36:3)	PC(42:0)	PC-O(34:2)
PC(27:0)	PC(36:4)	PC(42:1)	PC-O(34:3)
PC(27:1)	PC(36:5)	PC(42:2)	PC-O(34:4)
PC(28:1)	PC(36:6)	PC(42:3)	PC-O(35:3)
PC(29:0)	PC(37:0)	PC(42:4)	PC-O(35:4)
PC(29:1)	PC(37:1)	PC(42:5)	PC-O(36:0)
PC(29:2)	PC(37:2)	PC(42:6)	PC-O(36:1)
PC(30:0)	PC(37:3)	PC(42:7)	PC-O(36:2)
PC(30:1)	PC(37:4)	PC(42:10)	PC-O(36:3)
PC(30:2)	PC(37:5)	PC(43:2)	PC-O(36:4)
PC(30:3)	PC(37:6)	PC(43:6)	PC-O(36:5)
PC(31:0)	PC(37:7)	PC(44:1)	PC-O(36:6)
PC(31:1)	PC(38:0)	PC(44:3)	PC-O(37:6)
PC(31:2)	PC(38:1)	PC(44:5)	PC-O(37:7)
PC(31:3)	PC(38:2)	PC(44:6)	PC-O(38:0)
PC(32:0)	PC(38:3)	PC(44:7)	PC-O(38:1)
PC(32:1)	PC(38:4)	PC(44:10)	PC-O(38:2)
PC(32:2)	PC(38:5)	PC(44:12)	PC-O(38:3)
PC(32:3)	PC(38:6)	PC(46:1)	PC-O(38:4)
PC(32:4)	PC(38:7)	PC(46:2)	PC-O(38:5)
PC(32:5)	PC(39:0)	PC-O(26:0)	PC-O(38:6)
PC(32:6)	PC(39:1)	PC-O(26:1)	PC-O(40:0)
PC(33:0)	PC(39:2)	PC-O(28:0)	PC-O(40:1)
PC(33:1)	PC(39:3)	PC-O(28:1)	PC-O(40:2)
PC(33:2)	PC(39:4)	PC-O(29:0)	PC-O(40:3)
PC(33:3)	PC(39:5)	PC-O(30:0)	PC-O(40:4)
PC(33:4)	PC(39:6)	PC-O(30:1)	PC-O(40:5)
PC(33:5)	PC(39:7)	PC-O(30:2)	PC-O(40:6)
PC(34:0)	PC(40:1)	PC-O(31:0)	PC-O(40:7)
PC(34:1)	PC(40:2)	PC-O(31:1)	PC-O(40:8)
PC(34:2)	PC(40:3)	PC-O(31:3)	PC-O(42:0)
PC(34:3)	PC(40:4)	PC-O(32:0)	PC-O(42:1)
PC(34:4)	PC(40:5)	PC-O(32:1)	PC-O(42:2)
PC(34:5)	PC(40:6)	PC-O(32:2)	PC-O(42:3)
PC(35:0)	PC(40:7)	PC-O(32:3)	PC-O(42:4)
PC(35:1)	PC(40:8)	PC-O(33:0)	PC-O(42:5)
PC(35:2)	PC(40:9)	PC-O(33:1)	PC-O(42:6)
PC(35:3)	PC(41:1)	PC-O(33:2)	PC-O(44:3)
PC(35:4)	PC(41:2)	PC-O(33:3)	PC-O(44:4)
PC(35:5)	PC(41:3)	PC-O(33:4)	PC-O(44:5)
PC(36:0)	PC(41:4)	PC-O(33:6)	PC-O(44:6)

Sphingomyelins (31)			
SM(30:1)	SM(34:2)	SM(38:3)	SM(42:1)
SM(31:0)	SM(35:1)	SM(39:1)	SM(42:2)
SM(31:1)	SM(36:0)	SM(39:2)	SM(42:3)
SM(32:1)	SM(36:1)	SM(40:1)	SM(43:1)
SM(32:2)	SM(36:2)	SM(40:2)	SM(43:2)
SM(33:1)	SM(37:1)	SM(40:4)	SM(44:1)
SM(33:2)	SM(38:1)	SM(41:1)	SM(44:2)
SM(34:1)	SM(38:2)	SM(41:2)	

Ceramides (9)			
Cer(34:0)	Cer(40:1)	Cer(42:2)	
Cer(34:1)	Cer(41:1)	Cer(43:1)	
Cer(38:1)	Cer(42:1)	Cer(44:0)	

Cholesteryl Esters (14)			
CE(16:0)	CE(17:2)	CE(19:2)	CE(22:5)
CE(16:1)	CE(18:1)	CE(19:3)	CE(22:6)
CE(17:0)	CE(18:2)	CE(20:4)	
CE(17:1)	CE(18:3)	CE(20:5)	

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