

# MxP<sup>®</sup> Quant 500 kit

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List of metabolites – Old vs. new nomenclature

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## MxP<sup>®</sup> Quant 500 kit

### Update of lipid nomenclature – Comparison of old vs. new nomenclature

With a coverage of up to 630 metabolites from 26 biochemical classes, the MxP<sup>®</sup> Quant 500 is a comprehensive kit for targeted metabolic profiling in nutrition, microbiome, and disease.

To harmonize the nomenclature for fatty acids and lipid classes covered in biocrates kits, we have updated the nomenclature according to the standard nomenclature used by **LIPID MAPS<sup>®</sup>**:

Liebisch et al. Update on LIPID MAPS classification, nomenclature, and shorthand notation for MS-derived lipid structures. J. Lipid Res. 2020; 61(12):1539–55. DOI: [10.1194/jlr.S120001025](https://doi.org/10.1194/jlr.S120001025).

The tables below show a side-by-side comparison of old vs. new nomenclature. A hyphen (“-”) indicates no change in nomenclature.

Analyte class		Number of metabolites		Analytical method
		Old nomenclature	New nomenclature	
Small molecules (107)	Alkaloids	1	1	LC-MS/MS
	Amine oxides	1	1	
	Amino acids	20	20	
	Amino acid related	30	30	
	Bile acids	14	14	
	Biogenic amines	9	9	
	Carboxylic acids	7	7	
	Cresols	1	1	
	Fatty acids – Free/non-covalently bound	12	12	
	Hormones and related	4	4	
	Indoles and derivatives	4	4	
	Nucleobases and related	2	2	
	Vitamins and cofactors	1	1	
	Carbohydrates and related	1	1	
Lipids (523)	Acylcarnitines	40	40	FIA-MS/MS
	Lysophosphatidylcholines	14	12	
	Phosphatidylcholines	76	78	
	Sphingomyelins	15	15	
	Ceramides	28	28	
	Dihydroceramides	8	8	
	Hexosylceramides	19	19	
	Dihexosylceramides	9	9	
	Trihexosylceramides	6	6	
	Cholesteryl esters	22	22	
	Diglycerides	44	44	
	Triglycerides	242	242	

Alkaloids			
Old nomenclature (1)		New nomenclature (1)	
Trigonelline	Trigonelline	-	-

Amine oxides			
Old nomenclature (1)		New nomenclature (1)	
TMAO	Trimethylamine N-oxide	-	-

Amino acids			
Old nomenclature (20)		New nomenclature (20)	
Ala	Alanine	-	-
Arg	Arginine	-	-
Asn	Asparagine	-	-
Asp	Aspartate	-	-
Cys	Cysteine	-	-
Glu	Glutamate	-	-
Gln	Glutamine	-	-
Gly	Glycine	-	-
His	Histidine	-	-
Ile	Isoleucine	-	-
Leu	Leucine	-	-
Lys	Lysine	-	-
Met	Methionine	-	-
Phe	Phenylalanine	-	-
Pro	Proline	-	-
Ser	Serine	-	-
Thr	Threonine	-	-
Trp	Tryptophan	-	-
Tyr	Tyrosine	-	-
Val	Valine	-	-

Amino acid related			
Old nomenclature (30)		New nomenclature (30)	
alpha-AAA	$\alpha$ -Aminoadipic acid	-	-
AABA	$\alpha$ -Aminobutyric acid	-	-
Ac-Orn	Acetylornithine	-	-
ADMA	Asymmetric dimethylarginine	-	-
Anserine	Anserine	-	-
5-AVA	5-Aminovaleric acid	-	-
BABA	$\beta$ -Aminobutyric acid	-	-
Betaine	Betaine	-	-
Carnosine	Carnosine	-	-
Cit	Citrulline	-	-
Creatinine	Creatinine	-	-
Cystine	Cystine	-	-
c4-OH-Pro	cis-4-Hydroxyproline	-	-
t4-OH-Pro	trans-4-Hydroxyproline	-	-

Amino acid related (continued)			
Old nomenclature (30)		New nomenclature (30)	
Kynurenine	Kynurenine	-	-
Met-SO	Methionine sulfoxide	-	-
1-Met-His	1-Methylhistidine	-	-
3-Met-His	3-Methylhistidine	-	-
Nitro-Tyr	Nitrotyrosine	-	-
Orn	Ornithine	-	-
PAG	Phenylacetylglycine	-	-
PheAlaBetaine	Phenylalanine betaine	-	-
ProBetaine	Proline betaine	-	-
Sarcosine	Sarcosine	-	-
DOPA	Dihydroxyphenylalanine	-	-
HArg	Homoarginine	-	-
HCys	Homocysteine	-	-
SDMA	Symmetric dimethylarginine	-	-
Taurine	Taurine	-	-
TrpBetaine	Tryptophan betaine	-	-

Bile acids			
Old nomenclature (30)		New nomenclature (30)	
CA	Cholic acid	-	-
CDCA	Chenodeoxycholic acid	-	-
DCA	Deoxycholic acid	-	-
GCA	Glycocholic acid	-	-
GDCA	Glycodeoxycholic acid	-	-
GCDCA	Glycochenodeoxycholic acid	-	-
GLCA	Glycolithocholic acid	-	-
GLCAS	Glycolithocholic acid sulfate	-	-
GUDCA	Glycoursodeoxycholic acid	-	-
TCA	Taurocholic acid	-	-
TCDCA	Taurochenodeoxycholic acid	-	-
TDCA	Taurodeoxycholic acid	-	-
TLCA	Tauroolithocholic acid	-	-
TMCA	Tauromurocholic acid	-	-

Biogenic amines			
Old nomenclature (9)		New nomenclature (9)	
beta-Ala	$\beta$ -Alanine	-	-
GABA	$\gamma$ -Aminobutyric acid	-	-
Dopamine	Dopamine	-	-
Histamine	Histamine	-	-
PEA	Phenylethylamine	-	-
Putrescine	Putrescine	-	-
Serotonin	Serotonin	-	-
Spermidine	<b>Spermidine</b>	-	-
Spermine	Spermine	-	-

Carbohydrates and related			
Old nomenclature (1)		New nomenclature (1)	
H1	Hexoses (including glucose)	-	-

Carboxylic acids			
Old nomenclature (7)		New nomenclature (7)	
AconAcid	Aconitic acid	-	-
DiCA(12:0)	Dodecanedioic acid	-	-
DiCA(14:0)	Tetradecanedioic acid	-	-
HipAcid	Hippuric acid	-	-
OH-GlutAcid	3-Hydroxyglutaric acid	-	-
Lac	Lactic acid	-	-
Suc	Succinic acid	-	-

Cresols			
Old nomenclature (1)		New nomenclature (1)	
<i>p</i> -Cresol-SO4	<i>p</i> -Cresol sulfate	-	-

Fatty acids – Free/non-covalently bound			
Old nomenclature (12)		New nomenclature (12)	
FA(12:0)	Lauric acid	FA 12:0	Lauric acid
FA(14:0)	Myristic acid	FA 14:0	Myristic acid
FA(16:0)	Palmitic acid	FA 16:0	Palmitic acid
FA(18:0)	Stearic acid	FA 18:0	Stearic acid
FA(18:1)	Octadecenoic acid	FA 18:1	Octadecenoic acid
FA(18:2)	Octadecadienoic acid	FA 18:2	Octadecadienoic acid
FA(20:1)	Eicosenoic acid	FA 20:1	Eicosenoic acid
FA(20:2)	Eicosadienoic acid	FA 20:2	Eicosadienoic acid
FA(20:3)	Eicosatrienoic acid	FA 20:3	Eicosatrienoic acid
AA	Arachidonic acid (FA(20:4 $\omega$ 6))	FA 20:4	Arachidonic acid (AA; $\omega$ 6)
EPA	Eicosapentaenoic acid (FA(20:5 $\omega$ 3))	FA 20:5	Eicosapentaenoic acid (EPA; $\omega$ 3)
DHA	Docosahexaenoic acid (FA(22:6 $\omega$ 3))	FA 22:6	Docosahexaenoic acid (DHA; $\omega$ 3)

Hormones and related			
Old nomenclature (4)		New nomenclature (4)	
AbsAcid	Abscisic acid	-	-
Cortisol	Cortisol	-	-
Cortisone	Cortisone	-	-
DHEAS	Dehydroepiandrosterone sulfate	-	-

Indoles and derivatives			
Old nomenclature (4)		New nomenclature (4)	
Indole	Indole	-	-
3-IAA	3-Indoleacetic acid	-	-
3-IPA	3-Indolepropionic acid	-	-
Ind-SO4	Indoxyl sulfate	-	-

Nucleobases and related			
Old nomenclature (2)		New nomenclature (2)	
Hypoxanthine	Hypoxanthine	-	-
Xanthine	Xanthine	-	-

Vitamins and cofactors			
Old nomenclature (1)		New nomenclature (1)	
Choline	Choline	-	-

Acylcarnitines			
Old nomenclature (40)		New nomenclature (40)	
C0	Carnitine	-	-
C2	Acetylcarnitine	-	-
C3	Propionylcarnitine	-	-
C3-DC (C4-OH)	Malonylcarnitine (Hydroxybutyrylcarnitine)	-	-
C3-OH	Hydroxypropionylcarnitine	-	-
C3:1	Propenoylcarnitine	-	-
C4	Butyrylcarnitine	-	-
C4:1	Butenylcarnitine	-	-
C5	Valerylcarnitine	-	-
C5-DC (C6-OH)	Glutaryl carnitine (Hydroxyhexanoylcarnitine)	-	-
C5-M-DC	Methylglutaryl carnitine	-	-
C5-OH (C3-DC-M)	Hydroxyvalerylcarnitine (Methylmalonylcarnitine)	-	-
C5:1	Tiglylcarnitine	-	-
C5:1-DC	Glutaconylcarnitine	-	-
C6 (C4:1-DC)	Hexanoylcarnitine (Fumaryl carnitine)	-	-
C6:1	Hexenoylcarnitine	-	-
C7-DC	Pimeloylcarnitine	-	-
C8	Octanoylcarnitine	-	-
C9	Nonaylcarnitine	-	-
C10	Decanoylcarnitine	-	-
C10:1	Decenoylcarnitine	-	-
C10:2	Decadienoylcarnitine	-	-
C12	Dodecanoylcarnitine	-	-
C12-DC	Dodecanedioylcarnitine	-	-

Acylcarnitines (continued)			
Old nomenclature (40)		New nomenclature (40)	
C12:1	Dodecenoylcarnitine	–	–
C14	Tetradecanoylcarnitine	–	–
C14:1	Tetradecenoylcarnitine	–	–
C14:1-OH	Hydroxytetradecenoylcarnitine	–	–
C14:2	Tetradecadienoylcarnitine	–	–
C14:2-OH	Hydroxytetradecadienoylcarnitine	–	–
C16	Hexadecanoylcarnitine	–	–
C16-OH	Hydroxyhexadecanoylcarnitine	–	–
C16:1	Hexadecenoylcarnitine	–	–
C16:1-OH	Hydroxyhexadecenoylcarnitine	–	–
C16:2	Hexadecadienoylcarnitine	–	–
C16:2-OH	Hydroxyhexadecadienoylcarnitine	–	–
C18	Octadecanoylcarnitine	–	–
C18:1	Octadecenoylcarnitine	–	–
C18:1-OH	Hydroxyoctadecenoylcarnitine	–	–
C18:2	Octadecadienoylcarnitine	–	–

Lysophosphatidylcholines	
Old nomenclature (14)	New nomenclature (12)
lysoPC a C14:0	LPC 14:0
lysoPC a C16:0	LPC 16:0
lysoPC a C16:1	LPC 16:1
lysoPC a C17:0	LPC 17:0
lysoPC a C18:0	LPC 18:0
lysoPC a C18:1	LPC 18:1
lysoPC a C18:2	LPC 18:2
lysoPC a C20:3	LPC 20:3
lysoPC a C20:4	LPC 20:4
lysoPC a C24:0	LPC 24:0
lysoPC a C26:0	LPC 26:0
lysoPC a C26:1	LPC 26:1
lysoPC a C28:0	PC O-28:0 (reclassified as phosphatidylcholines)
lysoPC a C28:1	PC O-28:1 (reclassified as phosphatidylcholines)

Phosphatidylcholines	
Old nomenclature (76)	New nomenclature (78)
PC aa C24:0	PC 24:0
PC aa C26:0	PC 26:0
PC aa C28:1	PC 28:1
PC aa C30:0	PC 30:0
PC aa C30:2 <sup>1</sup>	PC 30:2 <sup>1</sup>
PC aa C32:0	PC 32:0

<sup>1</sup> SCIEX and Agilent only

Phosphatidylcholines (continued)	
Old nomenclature (76)	New nomenclature (78)
PC aa C32:1	PC 32:1
PC aa C32:2	PC 32:2
PC aa C32:3	PC 32:3
PC aa C34:1	PC 34:1
PC aa C34:2	PC 34:2
PC aa C34:3	PC 34:3
PC aa C34:4	PC 34:4
PC aa C36:0	PC 36:0
PC aa C36:1	PC 36:1
PC aa C36:2	PC 36:2
PC aa C36:3	PC 36:3
PC aa C36:4	PC 36:4
PC aa C36:5	PC 36:5
PC aa C36:6	PC 36:6
PC aa C38:0	PC 38:0
PC aa C38:1 <sup>1</sup>	PC 38:1 <sup>1</sup>
PC aa C38:3	PC 38:3
PC aa C38:4	PC 38:4
PC aa C38:5	PC 38:5
PC aa C38:6	PC 38:6
PC aa C40:1	PC 40:1
PC aa C40:2	PC 40:2
PC aa C40:3	PC 40:3
PC aa C40:4	PC 40:4
PC aa C40:5	PC 40:5
PC aa C40:6	PC 40:6
PC aa C42:0	PC 42:0
PC aa C42:1	PC 42:1
PC aa C42:2	PC 42:2
PC aa C42:4	PC 42:4
PC aa C42:5	PC 42:5
PC aa C42:6	PC 42:6
lysoPC a C28:0	PC O-28:0 (reclassified as phosphatidylcholines)
lysoPC a C28:1	PC O-28:1 (reclassified as phosphatidylcholines)
PC ae C30:0	PC O-30:0
PC ae C30:1	PC O-30:1
PC ae C30:2	PC O-30:2
PC ae C32:1	PC O-32:1
PC ae C32:2	PC O-32:2
PC ae C34:0	PC O-34:0
PC ae C34:1	PC O-34:1
PC ae C34:2	PC O-34:2
PC ae C34:3	PC O-34:3
PC ae C36:0	PC O-36:0
PC ae C36:1	PC O-36:1
PC ae C36:2	PC O-36:2

<sup>1</sup> SCIEX and Agilent only



Phosphatidylcholines (continued)	
Old nomenclature (76)	New nomenclature (78)
PC ae C36:3	PC O-36:3
PC ae C36:4	PC O-36:4
PC ae C36:5	PC O-36:5
PC ae C38:0	PC O-38:0
PC ae C38:1	PC O-38:1
PC ae C38:2	PC O-38:2
PC ae C38:3	PC O-38:3
PC ae C38:4	PC O-38:4
PC ae C38:5	PC O-38:5
PC ae C38:6	PC O-38:6
PC ae C40:1	PC O-40:1
PC ae C40:2	PC O-40:2
PC ae C40:3	PC O-40:3
PC ae C40:4	PC O-40:4
PC ae C40:5	PC O-40:5
PC ae C40:6	PC O-40:6
PC ae C42:0	PC O-42:0
PC ae C42:1	PC O-42:1
PC ae C42:2	PC O-42:2
PC ae C42:3	PC O-42:3
PC ae C42:4	PC O-42:4
PC ae C42:5	PC O-42:5
PC ae C44:3	PC O-44:3
PC ae C44:4	PC O-44:4
PC ae C44:5	PC O-44:5
PC ae C44:6	PC O-44:6

Sphingomyelins	
Old nomenclature (15)	New nomenclature (15)
SM (OH) C14:1	SM 33:1
SM C16:0	SM 34:1
SM C16:1	SM 34:2
SM (OH) C16:1	SM 35:1
SM C18:0	SM 36:1
SM C18:1	SM 36:2
SM C20:2	SM 38:3
SM (OH) C22:1	SM 41:1
SM (OH) C22:2	SM 41:2
SM C22:3 <sup>1</sup>	SM 40:4 <sup>1</sup>
SM C24:0	SM 42:1
SM C24:1	SM 42:2
SM (OH) C24:1	SM 43:1
SM C26:0	SM 44:1
SM C26:1	SM 44:2

<sup>1</sup> SCIEX and Agilent only

Ceramides	
Old nomenclature (28)	New nomenclature (28)
Cer(d16:1/18:0)	Cer d16:1/18:0
Cer(d16:1/20:0)	Cer d16:1/20:0
Cer(d16:1/22:0)	Cer d16:1/22:0
Cer(d16:1/23:0)	Cer d16:1/23:0
Cer(d16:1/24:0)	Cer d16:1/24:0
Cer(d18:0/16:0) <sup>2</sup>	Cer d18:0/16:0 <sup>2</sup>
Cer(d18:1/14:0)	Cer d18:1/14:0
Cer(d18:1/16:0)	Cer d18:1/16:0
Cer(d18:1/18:0(OH))	Cer d18:1/18:0-OH
Cer(d18:1/18:0)	Cer d18:1/18:0
Cer(d18:1/18:1)	Cer d18:1/18:1
Cer(d18:1/20:0(OH))	Cer d18:1/20:0-OH
Cer(d18:1/20:0)	Cer d18:1/20:0
Cer(d18:1/22:0)	Cer d18:1/22:0
Cer(d18:1/23:0)	Cer d18:1/23:0
Cer(d18:1/24:0)	Cer d18:1/24:0
Cer(d18:1/24:1)	Cer d18:1/24:1
Cer(d18:1/25:0)	Cer d18:1/25:0
Cer(d18:1/26:0)	Cer d18:1/26:0
Cer(d18:1/26:1) <sup>3</sup>	Cer d18:1/26:1 <sup>3</sup>
Cer(d18:2/14:0)	Cer d18:2/14:0
Cer(d18:2/16:0)	Cer d18:2/16:0
Cer(d18:2/18:0)	Cer d18:2/18:0
Cer(d18:2/18:1)	Cer d18:2/18:1
Cer(d18:2/20:0)	Cer d18:2/20:0
Cer(d18:2/22:0)	Cer d18:2/22:0
Cer(d18:2/23:0)	Cer d18:2/23:0
Cer(d18:2/24:0)	Cer d18:2/24:0
Cer(d18:2/24:1)	Cer d18:2/24:1

Dihydroceramides	
Old nomenclature (8)	New nomenclature (8)
Cer(d18:0/18:0(OH))	Cer d18:0/18:0-OH
Cer(d18:0/18:0)	Cer d18:0/18:0
Cer(d18:0/20:0)	Cer d18:0/20:0
Cer(d18:0/22:0)	Cer d18:0/22:0
Cer(d18:0/24:0)	Cer d18:0/24:0
Cer(d18:0/24:1)	Cer d18:0/24:1
Cer(d18:0/26:1(OH))	Cer d18:0/26:1-OH
Cer(d18:0/26:1)	Cer d18:0/26:1

<sup>2</sup> Waters Xevo® TQ-S only

<sup>3</sup> SCIEX, Agilent, and Waters Xevo® TQ-XS only

Hexosylceramides	
Old nomenclature (19)	New nomenclature (19)
HexCer(d16:1/20:0) <sup>4</sup>	Hex-Cer d16:1/20:0 <sup>4</sup>
HexCer(d16:1/22:0)	Hex-Cer d16:1/22:0
HexCer(d16:1/24:0)	Hex-Cer d16:1/24:0
HexCer(d18:1/14:0)	Hex-Cer d18:1/14:0
HexCer(d18:1/16:0)	Hex-Cer d18:1/16:0
HexCer(d18:1/18:0)	Hex-Cer d18:1/18:0
HexCer(d18:1/18:1)	Hex-Cer d18:1/18:1
HexCer(d18:1/20:0)	Hex-Cer d18:1/20:0
HexCer(d18:1/22:0)	Hex-Cer d18:1/22:0
HexCer(d18:1/23:0)	Hex-Cer d18:1/23:0
HexCer(d18:1/24:0)	Hex-Cer d18:1/24:0
HexCer(d18:1/24:1)	Hex-Cer d18:1/24:1
HexCer(d18:1/26:0)	Hex-Cer d18:1/26:0
HexCer(d18:1/26:1)	Hex-Cer d18:1/26:1
HexCer(d18:2/16:0)	Hex-Cer d18:2/16:0
HexCer(d18:2/18:0)	Hex-Cer d18:2/18:0
HexCer(d18:2/20:0)	Hex-Cer d18:2/20:0
HexCer(d18:2/22:0)	Hex-Cer d18:2/22:0
HexCer(d18:2/23:0)	Hex-Cer d18:2/23:0
HexCer(d18:2/24:0)	Hex-Cer d18:2/24:0

Dihexosylceramides	
Old nomenclature (9)	New nomenclature (9)
Hex2Cer(d18:1/14:0)	Hex2Cer d18:1/14:0
Hex2Cer(d18:1/16:0)	Hex2Cer d18:1/16:0
Hex2Cer(d18:1/18:0)	Hex2Cer d18:1/18:0
Hex2Cer(d18:1/20:0)	Hex2Cer d18:1/20:0
Hex2Cer(d18:1/22:0)	Hex2Cer d18:1/22:0
Hex2Cer(d18:1/24:0)	Hex2Cer d18:1/24:0
Hex2Cer(d18:1/24:1)	Hex2Cer d18:1/24:1
Hex2Cer(d18:1/26:0)	Hex2Cer d18:1/26:0
Hex2Cer(d18:1/26:1)	Hex2Cer d18:1/26:1

Trihexosylceramides	
Old nomenclature (6)	New nomenclature (6)
Hex3Cer(d18:1/16:0)	Hex3Cer d18:1/16:0
Hex3Cer(d18:1/18:0)	Hex3Cer d18:1/18:0
Hex3Cer(d18:1/20:0)	Hex3Cer d18:1/20:0
Hex3Cer(d18:1/22:0)	Hex3Cer d18:1/22:0
Hex3Cer(d18:1/24:1)	Hex3Cer d18:1/24:1
Hex3Cer(d18:1/26:1)	Hex3Cer d18:1/26:1

<sup>4</sup> Waters Xevo® TQ-XS only

Cholesteryl esters	
Old nomenclature (22)	New nomenclature (22)
CE(14:0)	CE 14:0
CE(14:1)	CE 14:1
CE(15:0)	CE 15:0
CE(15:1)	CE 15:1
CE(16:0)	CE 16:0
CE(16:1)	CE 16:1
CE(17:0)	CE 17:0
CE(17:1)	CE 17:1
CE(18:0)	CE 18:0
CE(18:1)	CE 18:1
CE(18:2)	CE 18:2
CE(18:3)	CE 18:3
CE(20:0)	CE 20:0
CE(20:1)	CE 20:1
CE(20:3)	CE 20:3
CE(20:4)	CE 20:4
CE(20:5)	CE 20:5
CE(22:0)	CE 22:0
CE(22:1)	CE 22:1
CE(22:2)	CE 22:2
CE(22:5)	CE 22:5
CE(22:6)	CE 22:6

Diglycerides	
Old nomenclature (44)	New nomenclature (44)
DG(14:0_14:0)	DG 14:0_14:0
DG(14:0_18:1)	DG 14:0_18:1
DG(14:0_18:2)	DG 14:0_18:2
DG(14:0_20:0)	DG 14:0_20:0
DG(14:1_18:1)	DG 14:1_18:1
DG(14:1_20:2)	DG 14:1_20:2
DG(16:0_16:0)	DG 16:0_16:0
DG(16:0_16:1)	DG 16:0_16:1
DG(16:0_18:1)	DG 16:0_18:1
DG(16:0_18:2)	DG 16:0_18:2
DG(16:0_20:0)	DG 16:0_20:0
DG(16:0_20:3)	DG 16:0_20:3
DG(16:0_20:4)	DG 16:0_20:4
DG(16:1_18:0)	DG 16:1_18:0
DG(16:1_18:1)	DG 16:1_18:1
DG(16:1_18:2)	DG 16:1_18:2
DG(16:1_20:0)	DG 16:1_20:0
DG(17:0_17:1)	DG 17:0_17:1
DG(17:0_18:1)	DG 17:0_18:1
DG(18:0_20:0)	DG 18:0_20:0
DG(18:0_20:4)	DG 18:0_20:4

Diglycerides (continued)	
Old nomenclature (44)	New nomenclature (44)
DG(18:1_18:1)	DG 18:1_18:1
DG(18:1_18:2)	DG 18:1_18:2
DG(18:1_18:3)	DG 18:1_18:3
DG(18:1_18:4)	DG 18:1_18:4
DG(18:1_20:0)	DG 18:1_20:0
DG(18:1_20:1)	DG 18:1_20:1
DG(18:1_20:2)	DG 18:1_20:2
DG(18:1_20:3)	DG 18:1_20:3
DG(18:1_20:4)	DG 18:1_20:4
DG(18:1_22:5)	DG 18:1_22:5
DG(18:1_22:6)	DG 18:1_22:6
DG(18:2_18:2)	DG 18:2_18:2
DG(18:2_18:3)	DG 18:2_18:3
DG(18:2_18:4)	DG 18:2_18:4
DG(18:2_20:0)	DG 18:2_20:0
DG(18:2_20:4)	DG 18:2_20:4
DG(18:3_18:3)	DG 18:3_18:3
DG(18:3_20:2)	DG 18:3_20:2
DG(21:0_22:6)	DG 21:0_22:6
DG(22:1_22:2)	DG 22:1_22:2
DG-O(14:0_18:2)	DG O-14:0_18:2
DG-O(16:0_18:1) <sup>3</sup>	DG O-16:0_18:1 <sup>3</sup>
DG-O(16:0_20:4) <sup>5</sup>	DG O-16:0_20:4 <sup>5</sup>
DG-O(18:2_18:2) <sup>6</sup>	DG O-18:2_18:2 <sup>6</sup>

Triglycerides	
Old nomenclature (242)	New nomenclature (242)
TG(14:0_32:2)	TG 14:0_32:2
TG(14:0_34:0)	TG 14:0_34:0
TG(14:0_34:1)	TG 14:0_34:1
TG(14:0_34:2)	TG 14:0_34:2
TG(14:0_34:3)	TG 14:0_34:3
TG(14:0_35:1)	TG 14:0_35:1
TG(14:0_35:2)	TG 14:0_35:2
TG(14:0_36:1)	TG 14:0_36:1
TG(14:0_36:2)	TG 14:0_36:2
TG(14:0_36:3)	TG 14:0_36:3
TG(14:0_36:4)	TG 14:0_36:4
TG(14:0_38:4)	TG 14:0_38:4
TG(14:0_38:5)	TG 14:0_38:5
TG(14:0_39:3) <sup>1</sup>	TG 14:0_39:3 <sup>1</sup>
TG(14:0_40:5) <sup>6</sup>	TG 14:0_40:5 <sup>6</sup>
TG(16:0_28:1)	TG 16:0_28:1

<sup>1</sup> SCIEX and Agilent only

<sup>3</sup> SCIEX, Agilent, and Waters Xevo® TQ-XS only

<sup>5</sup> SCIEX, Agilent, and Waters Xevo® TQ-S only

<sup>6</sup> Waters only

Triglycerides (continued)	
Old nomenclature (242)	New nomenclature (242)
TG(16:0_28:2)	TG 16:0_28:2
TG(16:0_30:2)	TG 16:0_30:2
TG(16:0_32:0)	TG 16:0_32:0
TG(16:0_32:1)	TG 16:0_32:1
TG(16:0_32:2)	TG 16:0_32:2
TG(16:0_32:3)	TG 16:0_32:3
TG(16:0_33:1)	TG 16:0_33:1
TG(16:0_33:2)	TG 16:0_33:2
TG(16:0_34:0)	TG 16:0_34:0
TG(16:0_34:1)	TG 16:0_34:1
TG(16:0_34:2)	TG 16:0_34:2
TG(16:0_34:3)	TG 16:0_34:3
TG(16:0_34:4)	TG 16:0_34:4
TG(16:0_35:1)	TG 16:0_35:1
TG(16:0_35:2)	TG 16:0_35:2
TG(16:0_35:3)	TG 16:0_35:3
TG(16:0_36:2)	TG 16:0_36:2
TG(16:0_36:3)	TG 16:0_36:3
TG(16:0_36:4)	TG 16:0_36:4
TG(16:0_36:5)	TG 16:0_36:5
TG(16:0_36:6)	TG 16:0_36:6
TG(16:0_37:3)	TG 16:0_37:3
TG(16:0_38:1)	TG 16:0_38:1
TG(16:0_38:2)	TG 16:0_38:2
TG(16:0_38:3)	TG 16:0_38:3
TG(16:0_38:4)	TG 16:0_38:4
TG(16:0_38:5)	TG 16:0_38:5
TG(16:0_38:6)	TG 16:0_38:6
TG(16:0_38:7)	TG 16:0_38:7
TG(16:0_40:6)	TG 16:0_40:6
TG(16:0_40:7)	TG 16:0_40:7
TG(16:0_40:8)	TG 16:0_40:8
TG(16:1_28:0)	TG 16:1_28:0
TG(16:1_30:1)	TG 16:1_30:1
TG(16:1_32:0)	TG 16:1_32:0
TG(16:1_32:1)	TG 16:1_32:1
TG(16:1_32:2)	TG 16:1_32:2
TG(16:1_33:1)	TG 16:1_33:1
TG(16:1_34:0)	TG 16:1_34:0
TG(16:1_34:1)	TG 16:1_34:1
TG(16:1_34:2)	TG 16:1_34:2
TG(16:1_34:3)	TG 16:1_34:3
TG(16:1_36:1)	TG 16:1_36:1
TG(16:1_36:2)	TG 16:1_36:2
TG(16:1_36:3)	TG 16:1_36:3
TG(16:1_36:4)	TG 16:1_36:4
TG(16:1_36:5)	TG 16:1_36:5

Triglycerides (continued)	
Old nomenclature (242)	New nomenclature (242)
TG(16:1_38:3)	TG 16:1_38:3
TG(16:1_38:4)	TG 16:1_38:4
TG(16:1_38:5)	TG 16:1_38:5
TG(17:0_32:1)	TG 17:0_32:1
TG(17:0_34:1)	TG 17:0_34:1
TG(17:0_34:2)	TG 17:0_34:2
TG(17:0_34:3)	TG 17:0_34:3
TG(17:0_36:3)	TG 17:0_36:3
TG(17:0_36:4)	TG 17:0_36:4
TG(17:1_32:1)	TG 17:1_32:1
TG(17:1_34:1)	TG 17:1_34:1
TG(17:1_34:2)	TG 17:1_34:2
TG(17:1_34:3)	TG 17:1_34:3
TG(17:1_36:3)	TG 17:1_36:3
TG(17:1_36:4)	TG 17:1_36:4
TG(17:1_36:5)	TG 17:1_36:5
TG(17:1_38:5)	TG 17:1_38:5
TG(17:1_38:6)	TG 17:1_38:6
TG(17:1_38:7)	TG 17:1_38:7
TG(17:2_34:2)	TG 17:2_34:2
TG(17:2_34:3)	TG 17:2_34:3
TG(17:2_36:2)	TG 17:2_36:2
TG(17:2_36:3)	TG 17:2_36:3
TG(17:2_36:4)	TG 17:2_36:4
TG(17:2_38:5)	TG 17:2_38:5
TG(17:2_38:6)	TG 17:2_38:6
TG(17:2_38:7)	TG 17:2_38:7
TG(18:0_30:0)	TG 18:0_30:0
TG(18:0_30:1)	TG 18:0_30:1
TG(18:0_32:0)	TG 18:0_32:0
TG(18:0_32:1)	TG 18:0_32:1
TG(18:0_32:2)	TG 18:0_32:2
TG(18:0_34:2)	TG 18:0_34:2
TG(18:0_34:3)	TG 18:0_34:3
TG(18:0_36:1)	TG 18:0_36:1
TG(18:0_36:2)	TG 18:0_36:2
TG(18:0_36:3)	TG 18:0_36:3
TG(18:0_36:4)	TG 18:0_36:4
TG(18:0_36:5)	TG 18:0_36:5
TG(18:0_38:6)	TG 18:0_38:6
TG(18:0_38:7)	TG 18:0_38:7
TG(18:1_26:0)	TG 18:1_26:0
TG(18:1_28:1)	TG 18:1_28:1
TG(18:1_30:0)	TG 18:1_30:0
TG(18:1_30:1)	TG 18:1_30:1
TG(18:1_30:2)	TG 18:1_30:2
TG(18:1_31:0)	TG 18:1_31:0

Triglycerides (continued)	
Old nomenclature (242)	New nomenclature (242)
TG(18:1_32:0)	TG 18:1_32:0
TG(18:1_32:1)	TG 18:1_32:1
TG(18:1_32:2)	TG 18:1_32:2
TG(18:1_32:3)	TG 18:1_32:3
TG(18:1_33:0)	TG 18:1_33:0
TG(18:1_33:1)	TG 18:1_33:1
TG(18:1_33:2)	TG 18:1_33:2
TG(18:1_33:3)	TG 18:1_33:3
TG(18:1_34:1)	TG 18:1_34:1
TG(18:1_34:2)	TG 18:1_34:2
TG(18:1_34:3)	TG 18:1_34:3
TG(18:1_34:4)	TG 18:1_34:4
TG(18:1_35:2)	TG 18:1_35:2
TG(18:1_35:3)	TG 18:1_35:3
TG(18:1_36:0)	TG 18:1_36:0
TG(18:1_36:1)	TG 18:1_36:1
TG(18:1_36:2)	TG 18:1_36:2
TG(18:1_36:3)	TG 18:1_36:3
TG(18:1_36:4)	TG 18:1_36:4
TG(18:1_36:5)	TG 18:1_36:5
TG(18:1_36:6)	TG 18:1_36:6
TG(18:1_38:5)	TG 18:1_38:5
TG(18:1_38:6)	TG 18:1_38:6
TG(18:1_38:7)	TG 18:1_38:7
TG(18:2_28:0)	TG 18:2_28:0
TG(18:2_30:0)	TG 18:2_30:0
TG(18:2_30:1)	TG 18:2_30:1
TG(18:2_31:0)	TG 18:2_31:0
TG(18:2_32:0)	TG 18:2_32:0
TG(18:2_32:1)	TG 18:2_32:1
TG(18:2_32:2)	TG 18:2_32:2
TG(18:2_33:0)	TG 18:2_33:0
TG(18:2_33:1)	TG 18:2_33:1
TG(18:2_33:2)	TG 18:2_33:2
TG(18:2_34:0)	TG 18:2_34:0
TG(18:2_34:1)	TG 18:2_34:1
TG(18:2_34:2)	TG 18:2_34:2
TG(18:2_34:3)	TG 18:2_34:3
TG(18:2_34:4)	TG 18:2_34:4
TG(18:2_35:1)	TG 18:2_35:1
TG(18:2_35:2)	TG 18:2_35:2
TG(18:2_35:3)	TG 18:2_35:3
TG(18:2_36:0)	TG 18:2_36:0
TG(18:2_36:1)	TG 18:2_36:1
TG(18:2_36:2)	TG 18:2_36:2
TG(18:2_36:3)	TG 18:2_36:3
TG(18:2_36:4)	TG 18:2_36:4



Triglycerides (continued)	
Old nomenclature (242)	New nomenclature (242)
TG(18:2_36:5)	TG 18:2_36:5
TG(18:2_38:4)	TG 18:2_38:4
TG(18:2_38:5)	TG 18:2_38:5
TG(18:2_38:6)	TG 18:2_38:6
TG(18:3_30:0)	TG 18:3_30:0
TG(18:3_32:0)	TG 18:3_32:0
TG(18:3_32:1)	TG 18:3_32:1
TG(18:3_33:2)	TG 18:3_33:2
TG(18:3_34:0)	TG 18:3_34:0
TG(18:3_34:1)	TG 18:3_34:1
TG(18:3_34:2)	TG 18:3_34:2
TG(18:3_34:3)	TG 18:3_34:3
TG(18:3_35:2)	TG 18:3_35:2
TG(18:3_36:1)	TG 18:3_36:1
TG(18:3_36:2)	TG 18:3_36:2
TG(18:3_36:3)	TG 18:3_36:3
TG(18:3_36:4)	TG 18:3_36:4
TG(18:3_38:5)	TG 18:3_38:5
TG(18:3_38:6)	TG 18:3_38:6
TG(20:0_32:3)	TG 20:0_32:3
TG(20:0_32:4)	TG 20:0_32:4
TG(20:0_34:1)	TG 20:0_34:1
TG(20:1_24:3)	TG 20:1_24:3
TG(20:1_26:1)	TG 20:1_26:1
TG(20:1_30:1)	TG 20:1_30:1
TG(20:1_31:0) <sup>1</sup>	TG 20:1_31:0 <sup>1</sup>
TG(20:1_32:0) <sup>6</sup>	TG 20:1_32:0 <sup>6</sup>
TG(20:1_32:1)	TG 20:1_32:1
TG(20:1_32:2)	TG 20:1_32:2
TG(20:1_32:3)	TG 20:1_32:3
TG(20:1_34:0)	TG 20:1_34:0
TG(20:1_34:1)	TG 20:1_34:1
TG(20:1_34:2)	TG 20:1_34:2
TG(20:1_34:3)	TG 20:1_34:3
TG(20:2_32:0)	TG 20:2_32:0
TG(20:2_32:1)	TG 20:2_32:1
TG(20:2_34:1)	TG 20:2_34:1
TG(20:2_34:2)	TG 20:2_34:2
TG(20:2_34:3)	TG 20:2_34:3
TG(20:2_34:4)	TG 20:2_34:4
TG(20:2_36:5)	TG 20:2_36:5
TG(20:3_32:0)	TG 20:3_32:0
TG(20:3_32:1)	TG 20:3_32:1
TG(20:3_32:2)	TG 20:3_32:2
TG(20:3_34:0)	TG 20:3_34:0

<sup>1</sup> SCIEX and Agilent only  
<sup>6</sup> Waters only

Triglycerides (continued)	
Old nomenclature (242)	New nomenclature (242)
TG(20:3_34:1)	TG 20:3_34:1
TG(20:3_34:2)	TG 20:3_34:2
TG(20:3_34:3)	TG 20:3_34:3
TG(20:3_36:3)	TG 20:3_36:3
TG(20:3_36:4)	TG 20:3_36:4
TG(20:3_36:5)	TG 20:3_36:5
TG(20:4_30:0)	TG 20:4_30:0
TG(20:4_32:0)	TG 20:4_32:0
TG(20:4_32:1)	TG 20:4_32:1
TG(20:4_32:2)	TG 20:4_32:2
TG(20:4_33:2)	TG 20:4_33:2
TG(20:4_34:0)	TG 20:4_34:0
TG(20:4_34:1)	TG 20:4_34:1
TG(20:4_34:2)	TG 20:4_34:2
TG(20:4_34:3)	TG 20:4_34:3
TG(20:4_35:3)	TG 20:4_35:3
TG(20:4_36:2)	TG 20:4_36:2
TG(20:4_36:3)	TG 20:4_36:3
TG(20:4_36:4)	TG 20:4_36:4
TG(20:4_36:5)	TG 20:4_36:5
TG(20:5_34:0)	TG 20:5_34:0
TG(20:5_34:1)	TG 20:5_34:1
TG(20:5_34:2)	TG 20:5_34:2
TG(20:5_36:2)	TG 20:5_36:2
TG(20:5_36:3)	TG 20:5_36:3
TG(22:0_32:4)	TG 22:0_32:4
TG(22:1_32:5)	TG 22:1_32:5
TG(22:2_32:4)	TG 22:2_32:4
TG(22:3_30:2)	TG 22:3_30:2
TG(22:4_32:0)	TG 22:4_32:0
TG(22:4_32:2)	TG 22:4_32:2
TG(22:4_34:2)	TG 22:4_34:2
TG(22:5_32:0)	TG 22:5_32:0
TG(22:5_32:1)	TG 22:5_32:1
TG(22:5_34:1)	TG 22:5_34:1
TG(22:5_34:2)	TG 22:5_34:2
TG(22:5_34:3)	TG 22:5_34:3
TG(22:6_32:0)	TG 22:6_32:0
TG(22:6_32:1)	TG 22:6_32:1
TG(22:6_34:1)	TG 22:6_34:1
TG(22:6_34:2)	TG 22:6_34:2
TG(22:6_34:3)	TG 22:6_34:3

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