

Update of lipid nomenclature

Information for customers – January 2023

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®**:

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).

These changes affect the following kits (old nomenclature will still be available):

- MxP® Quant 500 kit
- AbsoluteIDQ® p180 kit

Metabolite classes affected by the nomenclature update:

Metabolite class	Old nomenclature	New nomenclature
Fatty acids	FA(xx:x)	FA xx:x
Phosphatidylcholines	PC aa Cxx:x	PC xx:x
	PC ae Cxx:x	PC O-xx:x
Lysophosphatidylcholines	lysoPC a Cxx:x	LPC xx:x
Sphingomyelins	SM Cxx:x (excl. sphingo base)	SM xx:x (incl. sphingo base)
Ceramides	Cer(dxx:x/xx:x)	Cer dxx:x/xx:x
Dihydroceramides	Cer(dxx:x/xx:x)	Cer dxx:x/xx:x
Hexosylceramides	HexCer(dxx:x/xx:x)	Hex-Cer dxx:x/xx:x
Dihexosylceramides	Hex2Cer(dxx:x/xx:x)	Hex2Cer dxx:x/xx:x
Trihexosylceramides	Hex3Cer(dxx:x/xx:x)	Hex3Cer dxx:x/xx:x
Cholesteryl esters	CE(xx:x)	CE xx:x
Diglycerides	DG(xx:x_xx:x)	DG xx:x_xx:x
Triglycerides	TG(xx:x_xx:x)	TG xx:x_xx:x

Two metabolites have been reclassified:

Old nomenclature		New nomenclature	
Metabolite class	Metabolite	Metabolite class	Metabolite
Lysophosphatidylcholine	lysoPC a C28:0	Phosphatidylcholine	PC O-28:0
Lysophosphatidylcholine	lysoPC a C28:1	Phosphatidylcholine	PC O-28:1