

AbsoluteIDQ[®] p180 kit

List of metabolites

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AbsoluteIDQ® p180 kit – List of metabolites

The standard in targeted metabolomics

The AbsoluteIDQ® p180 kit is a simple and high-throughput tool for basic, clinical, and epidemiological research. The kit provides scientists with highly reproducible metabolomics data to confidently obtain detailed knowledge about the metabolic phenotypes in their studies. The successful application of the kit is demonstrated in hundreds of published articles making it the most frequently chosen metabolomics approach of its kind.

	Analyte class (number of metabolites)	Analytical method
Small molecules (43)	Amino acids (21)	LC-MS/MS
	Biogenic amines (21)	
	Monosaccharides (1)	
Lipids (145)	Acylcarnitines (40)	FIA-MS/MS
	Glycerophospholipids (90)	
	Sphingolipids (15)	

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
Leu	Leucine		

Biogenic amines (21)

Ac-Orn	Acetylornithine	Met-SO	Methionine sulfoxide
alpha-AAA	alpha-Aminoadipic acid	Nitro-Tyr ¹	Nitrotyrosine
ADMA	Asymmetric dimethylarginine	PEA	Phenylethylamine
Carnosine	Carnosine	Putrescine	Putrescine
Creatinine	Creatinine	Sarcosine	Sarcosine
DOPA	Dihydroxyphenylalanine	Serotonin	Serotonin
Dopamine	Dopamine	Spermidine	Spermidine
Histamine	Histamine	Spermine	Spermine
c4-OH-Pro	<i>cis</i> -4-Hydroxyproline	SDMA	Symmetric dimethylarginine
t4-OH-Pro	<i>trans</i> -4-Hydroxyproline	Taurine	Taurine
Kynurenine	Kynurenine		

Monosaccharides (1)

H1	Hexoses (including glucose)		
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Acylcarnitines (40)

C0	Carnitine	C4-OH (C3-DC)	Hydroxybutyrylcarnitine (Malonylcarnitine)
C2	Acetylcarnitine	C4:1	Butenylcarnitine
C3	Propionylcarnitine	C5	Valerylcarnitine
C3-OH	Hydroxypropionylcarnitine	C5-DC (C6-OH)	Glutarylcarnitine (Hydroxyhexanoylcarnitine)
C3:1	Propenoylcarnitine	C5-M-DC	Methylglutarylcarnitine
C4	Butyrylcarnitine	C5-OH (C3-DC-M)	Hydroxyvalerylcarnitine (Methylmalonylcarnitine)

¹ SCIEX and Waters only

Acylcarnitines (continued)			
C5:1	Tiglylcarnitine	C14:1	Tetradecenoylcarnitine
C5:1-DC	Glutaconylcarnitine	C14:1-OH	Hydroxytetradecenoylcarnitine
C6 (C4:1-DC)	Hexanoylcarnitine (Fumaryl carnitine)	C14:2	Tetradecadienylcarnitine
C6:1	Hexenoylcarnitine	C14:2-OH	Hydroxytetradecadienylcarnitine
C7-DC	Pimeloylcarnitine	C16	Hexadecanoylcarnitine
C8	Octanoylcarnitine	C16-OH	Hydroxyhexadecanoylcarnitine
C9	Nonanoylcarnitine	C16:1	Hexadecenoylcarnitine
C10	Decanoylcarnitine	C16:1-OH	Hydroxyhexadecenoylcarnitine
C10:1	Decenoylcarnitine	C16:2	Hexadecadienylcarnitine
C10:2	Decadienylcarnitine	C16:2-OH	Hydroxyhexadecadienylcarnitine
C12	Dodecanoylcarnitine	C18	Octadecanoylcarnitine
C12-DC	Dodecanedioylcarnitine	C18:1	Octadecenoylcarnitine
C12:1	Dodecenoylcarnitine	C18:1-OH	Hydroxyoctadecenoylcarnitine
C14	Tetradecanoylcarnitine	C18:2	Octadecadienylcarnitine

Glycerophospholipids (90)			
LPC 14:0	PC 34:3	PC 42:2	PC O-38:2
LPC 16:0	PC 34:4	PC 42:4	PC O-38:3
LPC 16:1	PC 36:0	PC 42:5	PC O-38:4
LPC 17:0	PC 36:1	PC 42:6	PC O-38:5
LPC 18:0	PC 36:2	PC O-28:0	PC O-38:6
LPC 18:1	PC 36:3	PC O-28:1	PC O-40:1
LPC 18:2	PC 36:4	PC O-30:0	PC O-40:2
LPC 20:3	PC 36:5	PC O-30:1	PC O-40:3
LPC 20:4	PC 36:6	PC O-30:2	PC O-40:4
LPC 24:0	PC 38:0	PC O-32:1	PC O-40:5
LPC 26:0	PC 38:1 ²	PC O-32:2	PC O-40:6
LPC 26:1	PC 38:3	PC O-34:0	PC O-42:0
PC 24:0	PC 38:4	PC O-34:1	PC O-42:1
PC 26:0	PC 38:5	PC O-34:2	PC O-42:2
PC 28:1	PC 38:6	PC O-34:3	PC O-42:3
PC 30:0	PC 40:1	PC O-36:0	PC O-42:4
PC 30:2 ²	PC 40:2	PC O-36:1	PC O-42:5
PC 32:0	PC 40:3	PC O-36:2	PC O-44:3
PC 32:1	PC 40:4	PC O-36:3	PC O-44:4
PC 32:2	PC 40:5	PC O-36:4	PC O-44:5
PC 32:3	PC 40:6	PC O-36:5	PC O-44:6
PC 34:1	PC 42:0	PC O-38:0	
PC 34:2	PC 42:1	PC O-38:1	

² SCIEX and Agilent only

Sphingolipids (15)			
SM 33:1	SM 36:1	SM 41:1	SM 43:1
SM 34:1	SM 36:2	SM 41:2	SM 44:1
SM 34:2	SM 38:3	SM 42:1	SM 44:2
SM 35:1	SM 40:4 ²	SM 42:2	

² SCIEX and Agilent only

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