

Targeted metabolites list

GC-polar

GC-non polar

LC

Bile acids	Steroids	Amino acids	Central carbon metabolism	Sugars	Neurotransmitters	Fatty Acids (Short chain)	Fatty Acids (medium to long chain)	
Glycochenodeoxycholic acid	Cortisol	L-Alanine	Glucose	Galactose	Serotonin	C2:0 (Acetic)	C4:0 (Butyric)	C17:0 (Heptadecanoic)
Taurochenodeoxycholic acid	Cortisone	L-Threonine	Dihydroxyacetone phosphate	6-Phosphogluconic acid	Homovanillic acid (HVA)	C3:0 (Propionic)	C20:5n3 (cis-5,8,11,14,17-Eicosapentaenoic)	C18:0 (Stearic)
Deoxycholic acid	11-Deoxycortisol	L-Methionine	Malic acid	Fructose-6-phosphate	Gamma-Aminobutyric acid (GABA)	C4:0 (Butyric)	C18:3n6 (γ-Linolenic)	C18:1n9t (Elaidic)
Glycodeoxycholic acid	17α-Hydroxyprogesterone	L-Cystine	Citric acid	Glucose-6-phosphate	Dopamine		C13:0 (Tridecanoic)	C18:2n6t (Linolelaidic)
Taurodeoxycholic acid	Progesterone	L-Glutamic acid	Alpha-ketoglutaric acid	Arabinose	5-hydroxyindole acetic acid (5-HIAA)		C14:1 (Myristoleic)	C18:3n3 (α-Linolenic)
Ursodeoxycholic acid	Aldosterone	L-Leucine	Fumaric acid	Ribose	3,4-dihydroxyphenylacetic acid (DOPAC)		C18:1n9c (Oleic)	C20:1n9 (cis-11-Eicosenoic)
Lithocholic acid	Corticosterone	L-Proline	Succinic acid	Ribose-5-phosphate	Norepinephrine (Noradrenaline)		C20:2 (cis-11,14-Eicosadienoic)	C20:3n6 (cis-8,11,14-Eicosatrienoic)
Taurolithocholic acid	11-Deoxycorticosterone	Glycine	Pyruvic acid	Fructose-1,6-diphosphate	Glutamic acid		C15:1 (cis-10-Pentadecenoic)	C20:4n6 (Arachidonic)
Tauroursodeoxycholic acid	Estradiol	L-Histidine	Lactic acid	Ribose 5-phosphate			C16:1 (Palmitoleic)	C21:0 (Henicosanoic)
Glycoursodeoxycholic acid	Estrone	L-Aspartic acid	Glycerol	Mannose			C8:0 (Caprylic)	C22:1n9 (Erucic)
Muricholic acids family	Androstenedione	L-Isoleucine	Oxalacetic acid	Xylose			C11:0 (Undecanoic)	C22:6n3 (cis-4,7,10,13,16,19-Docosahexaenoic)
Tauromuricholic acids family	Androsterone	L-Lysine	3-Phosphoglyceric acid	Rhamnose			C17:1 (cis-10-Heptadecenoic)	C23:0 (Tricosanoic)
Hyocholic acid	Dehydroepiandrosterone	L-Phenylalanine	Phosphoenolpyruvic acid				C18:2n6c (Linoleic)	C24:0 (Lignoceric)
Glychoyocholic acid	Dehydroepiandrosterone sulfate	L-Serine	Glycerol 1-phosphate				C20:0 (Arachidic)	C24:1n9 (Nervonic)
Taurohyocholic acid	Dihydrotestosterone	L-Tyrosine	Isocitric acid				C20:3n3 (cis-11,14,17-Eicosatrienoic)	C26:0 (Hexacosanoic)
Glycolithocholic acid	Etiocolanolone	L-Valine	Ribose-5-phosphate				C22:0 (Behenic)	
Hyodeoxycholic acid	Testosterone	L-Arginine	2,3-Diphosphoglycerate				C22:2 (cis-13,16-Docosadienoic)	
Glychoyodeoxycholic acid			6-Phosphogluconic acid				C6:0 (Caproic)	
Taurohyodeoxycholic acid			Fructose-1,6-diphosphate				C10:0 (Capric)	
Murocholic acid			Glucose-6-phosphate				C12:0 (Lauric)	
Dehydrocholic acid			Fructose-6-phosphate				C14:0 (Myristic)	
Glycodehydrocholic acid							C15:0 (Pentadecanoic)	
Taurodehydrocholic acid							C16:0 (Palmitic)	

Kit based targeted metabolomics profiling

As little as 10 μ L EDTA plasma/serum can quantify more than 180 metabolites

Absolute quantification metabolites

Amino Acids and Biogenic Amines (41-42)			
Ala	Alanine	Ac-Orn	Acetylorntithine
Arg	Arginine	ADMA	Asymmetric dimethylarginine
Asn	Asparagine	SDMA	Symmetric dimethylarginine
Asp	Aspartate	alpha-AAA	alpha-Amino adipic acid
Cit	Citrulline	Carnosine	Carnosine
Gln	Glutamine	Creatinine	Creatinine
Glu	Glutamate	Histamine	Histamine
Gly	Glycine	Kynurenine	Kynurenine
His	Histidine	Met-SO	Methioninesulfoxide
Ile	Isoleucine	Nitro-Tyr ¹⁾	Nitrotyrosine
Leu	Leucine	cis-OH-Pro	cis-4-Hydroxyproline
Lys	Lysine	trans-OH-Pro	trans-4-Hydroxyproline
Met	Methionine	PEA	Phenylethylamine
Orn	Ornithine	Putrescine	Putrescine
Phe	Phenylalanine	Sarcosine	Sarcosine
Pro	Proline	Serotonin	Serotonin
Ser	Serine	Spermidine	Spermidine
Thr	Threonine	Spermine	Spermine
Trp	Tryptophan	Taurine	Taurine
Tyr	Tyrosine	Dopamine	Dopamine
Val	Valine	DOPA	DOPA

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Relative quantification metabolites

Acylcarnitines (40)			
C0	Carnitine	C10:1	Decenoylcarnitine
C2	Acetylcarnitine	C10:2	Decadienylcarnitine
C3	Propionylcarnitine	C12	Dodecanoylcarnitine
C3:1	Propenoylcarnitine	C12:1	Dodecenoylcarnitine
C3-OH	Hydroxypropionylcarnitine	C12-DC	Dodecanedioylcarnitine
C4	Butyrylcarnitine	C14	Tetradecanoylcarnitine
C4:1	Butenylcarnitine	C14:1	Tetradecenoylcarnitine
C4-OH (C3-DC)	Hydroxybutyrylcarnitine	C14:1-OH	Hydroxytetradecenoylcarnitine
C5	Valerylcarnitine	C14:2	Tetradecadienylcarnitine
C5:1	Tiglylcarnitine	C14:2-OH	Hydroxytetradecadienylcarnitine
C5:1-DC	Glutaconylcarnitine	C16	Hexadecanoylcarnitine
C5-DC (C6-OH)	Glutaryl carnitine* (Hydroxyhexanoylcarnitine)	C16:1	Hexadecenoylcarnitine
C5-M-DC	Methylglutaryl carnitine	C16:1-OH	Hydroxyhexadecenoylcarnitine
C5-OH (C3-DC-M)	Hydroxyvalerylcarnitine (Methylmalonylcarnitine)	C16:2	Hexadecadienylcarnitine
C6 (C4:1-DC)	Hexanoylcarnitine (Fumaryl carnitine)	C16:2-OH	Hydroxyhexadecadienylcarnitine
C6:1	Hexenoylcarnitine	C16-OH	Hydroxyhexadecanoylcarnitine
C7-DC	Pimelylcarnitine	C18	Octadecanoylcarnitine
C8	Octanoylcarnitine	C18:1	Octadecenoylcarnitine
C9	Nonacylcarnitine	C18:1-OH	Hydroxyoctadecenoylcarnitine
C10	Decanoylcarnitine	C18:2	Octadecadienylcarnitine
Monosaccharides (1)			
Sum of Hexoses (including Glucose)			

Kit based targeted metabolomics profiling

Relative quantification metabolites

Sphingolipids (14-15)			
SM (OH) C14:1	SM C18:0	SM (OH) C22:1	SM (OH) C24:1
SM C16:0	SM C18:1	SM (OH) C22:2	SM C26:0
SM C16:1	SM C20:2	SM C24:0	SM C26:1
SM (OH) C16:1	SM C22:3 ¹⁾²⁾	SM C24:1	
Glycerophospholipids (88-90)			
lysoPC a C14:0	PC aa C34:1	PC aa C42:0	PC ae C38:2
lysoPC a C16:0	PC aa C34:2	PC aa C42:1	PC ae C38:3
lysoPC a C16:1	PC aa C34:3	PC aa C42:2	PC ae C38:4
lysoPC a C17:0	PC aa C34:4	PC aa C42:4	PC ae C38:5
lysoPC a C18:0	PC aa C36:0	PC aa C42:5	PC ae C38:6
lysoPC a C18:1	PC aa C36:1	PC aa C42:6	PC ae C40:1
lysoPC a C18:2	PC aa C36:2	PC ae C30:0	PC ae C40:2
lysoPC a C20:3	PC aa C36:3	PC ae C30:1	PC ae C40:3
lysoPC a C20:4	PC aa C36:4	PC ae C30:2	PC aa C40:4
lysoPC a C24:0	PC aa C36:5	PC ae C32:1	PC ae C40:5
lysoPC a C26:0	PC aa C36:6	PC ae C32:2	PC ae C40:6
lysoPC a C26:1	PC aa C38:0	PC ae C34:0	PC ae C42:0
lysoPC a C28:0	PC aa C38:1 ¹⁾²⁾	PC ae C34:1	PC ae C42:1
lysoPC a C28:1	PC aa C38:3	PC ae C34:2	PC ae C42:2
PC aa C24:0	PC aa C38:4	PC ae C34:3	PC ae C42:3
PC aa C26:0	PC aa C38:5	PC ae C36:0	PC ae C42:4
PC aa C28:1	PC aa C38:6	PC ae C36:1	PC ae C42:5
PC aa C30:0	PC aa C40:1	PC ae C36:2	PC ae C44:3
PC aa C30:2 ¹⁾²⁾	PC aa C40:2	PC ae C36:3	PC ae C44:4
PC aa C32:0	PC aa C40:3	PC ae C36:4	PC ae C44:5
PC aa C32:1	PC aa C40:4	PC ae C36:5	PC ae C44:6
PC aa C32:2	PC aa C40:5	PC ae C38:0	
PC aa C32:3	PC aa C40:6	PC ae C38:1	