

TMIC High Value Metabolome Profiling Assay

Metabolite	Group
Acetylorithine	Biogenic Amines
Asymmetric dimethylarginine	Biogenic Amines
total dimethylarginine	Biogenic Amines
alpha-Aminoadipicacid	Biogenic Amines
Carnosine	Biogenic Amines
Creatinine	Biogenic Amines
Dopa	Biogenic Amines
Dopamine	Biogenic Amines
Histamine	Biogenic Amines
Kynurenine	Biogenic Amines
Methioninesulfoxide	Biogenic Amines
Hydroxyproline (t4-OH-Pro)	Biogenic Amines
Hydroxyproline (c4-OH-Pro)	Biogenic Amines
Phenylethylamine	Biogenic Amines
Putrescine	Biogenic Amines
Sarcosine	Biogenic Amines
Serotonin	Biogenic Amines
Spermidine	Biogenic Amines
Spermine	Biogenic Amines
Diacetylspermine	Biogenic Amines
Taurine	Biogenic Amines
Tyramine	Biogenic Amines
Nitrotyrosine	Biogenic Amines
Alanine	Amino acid
Arginine	Amino acid
Asparagine	Amino acid
Aspartate	Amino acid
Citrulline	Amino acid
Glutamate	Amino acid
Glutamine	Amino acid
Glycine	Amino acid
Histidine	Amino acid
Isoleucine	Amino acid
Leucine	Amino acid
Lysine	Amino acid
Methionine	Amino acid
Ornithine	Amino acid

Phenylalanine	Amino acid
Proline	Amino acid
Serine	Amino acid
Threonine	Amino acid
Tryptophan	Amino acid
Tyrosine	Amino acid
Valine	Amino acid
Betaine	Amino acid
TMAO	Others
Choline	Others
Creatine	Others
Phosphocreatine	Others
Methylhistidine	Histidine
Homocysteine	Carboxylic acid
C0 (Carnitine)	Acylcarnitines
C2 (Acetylcarnitine)	Acylcarnitines
C3:1 (Propionylcarnitine)	Acylcarnitines
C3 (Propionylcarnitine)	Acylcarnitines
C4:1 (Butenylcarnitine)	Acylcarnitines
C4 (butyrylcarnitine)	Acylcarnitines
C3-OH (hydroxyPropionylcarnitine)	Acylcarnitines
C5:1 (Tiglylcarnitine)	Acylcarnitines
C5 (Valerylcarnitine)	Acylcarnitines
C4-OH (C3-DC) (Hydroxybutyrylcarnitine)	Acylcarnitines
C6:1 (Hexenoylcarnitine)	Acylcarnitines
C6 (C4:1-DC) (Hexanoylcarnitine)	Acylcarnitines
C5-OH (C3-DC-M) (hydroxyvalerylcarnitine)	Acylcarnitines
C5:1-DC (Glutaconylcarnitine)	Acylcarnitines
C5-DC (C6-OH)(Glutaryl carnitine)	Acylcarnitines
C8 (Octanoylcarnitine)	Acylcarnitines
C5-M-DC (methylglutaryl carnitine)	Acylcarnitines
C9 (Nonaylcarnitine)	Acylcarnitines
C7-DC (pimelylcarnitine)	Acylcarnitines
C10:2 (decadienylcarnitine)	Acylcarnitines
C10:1 (Decenoylcarnitine)	Acylcarnitines
C10 (Decanoylcarnitine)	Acylcarnitines
C12:1 (Dodecenoylcarnitine)	Acylcarnitines
C12 (dodecanoylcarnitine)	Acylcarnitines
C14:2 (Tetradecadienylcarnitine)	Acylcarnitines
C14:1 (tetradecenoyl carnitine)	Acylcarnitines
C14 (tetradecanoylcarnitine)	Acylcarnitines
C12-DC (dodecanedioylcarnitine)	Acylcarnitines
C14:2-OH (hydroxytetradecadienylcarnitine)	Acylcarnitines

C14:1-OH (Hydroxytetradecenoyl carnitine)	Acylcarnitines
C16:2 (Hexadecadienylcarnitine)	Acylcarnitines
C16:1 (Hexadecenoylcarnitine)	Acylcarnitines
C16 (Hexadecanoylcarnitine)	Acylcarnitines
C16:2-OH (hydroxyhexadecadienylcarnitine)	Acylcarnitines
C16:1-OH (Hydroxyhexadecenoylcarnitine)	Acylcarnitines
C16-OH (hydroxyhexadecanoylcarnitine)	Acylcarnitines
C18:2 (Octadecadienylcarnitine)	Acylcarnitines
C18:1 (Octadecenoylcarnitine)	Acylcarnitines
C18 (Octadecanoylcarnitine)	Acylcarnitines
C18:1-OH (Hydroxyoctadecenoylcarnitine)	Acylcarnitines
Glucose	Monosaccharides
PC diacyl (aa) C36:6	Glycerophospholipids
PC aa C32:2	Glycerophospholipids
PC aa C38:0	Glycerophospholipids
PC aa C38:6	Glycerophospholipids
PC aa C40:1	Glycerophospholipids
PC aa C40:2	Glycerophospholipids
PC aa C40:6	Glycerophospholipids
PC acyl-alkyl (ae) C40:6	Glycerophospholipids
PC ae C36:0	Glycerophospholipids
lysophosphatidylcholine (lysoPC a C18:2)	Glycerophospholipids
SM (OH) C14:1	Glycerophospholipids
SM (OH) C16:1	Glycerophospholipids
SM (OH) C22:1	Glycerophospholipids
SM (OH) C22:2	Glycerophospholipids
SM (OH) C24:1	Glycerophospholipids
SM C16:0	Glycerophospholipids
SM C16:1	Glycerophospholipids
SM C18:0	Glycerophospholipids
SM C18:1	Glycerophospholipids
SM C20:2	Glycerophospholipids
lysoPC a C14:0	Glycerophospholipids
lysoPC a C16:0	Glycerophospholipids
lysoPC a C16:1	Glycerophospholipids
lysoPC a C17:0	Glycerophospholipids
lysoPC a C18:0	Glycerophospholipids
lysoPC a C18:1	Glycerophospholipids
lysoPC a C18:2	Glycerophospholipids
lysoPC a C20:3	Glycerophospholipids
lysoPC a C20:4	Glycerophospholipids
lysoPC a C24:0	Glycerophospholipids
lysoPC a C26:0	Glycerophospholipids

lysoPC a C26:1	Glycerophospholipids
lysoPC a C28:0	Glycerophospholipids
lysoPC a C28:1	Glycerophospholipids
Lactic acid	Organic Acids
beta-Hydroxybutyric acid	Organic Acids
alpha-Ketoglutaric acid	Organic Acids
Citric acid	Organic Acids
Butyric acid	Organic Acids
Propionic acid	Organic Acids
HPPHA	Organic Acids
para-hydroxyhippuric acid	Organic Acids
Succinic acid	Organic Acids
Fumaric acid	Organic Acids
Pyruvic acid	Organic Acids
Isobutyric acid	Organic Acids
Hippuric acid	Organic Acids
Methylmalonic acid	Organic Acids
Homovanillic acid	Organic Acids
Indole acetic acid	Organic Acids
Uric acid	Organic Acids