

**Platform A** **GC-MS/MS**  
**Short-chain fatty acids.**

Sample vol.: 50 µL Concentrations in µmol/L

- Acetate
- Butyrate
- Formate
- Isobutyrate
- Isovalerate
- Propionate
- Valerate
- α-Methylbutyrate

**Platform B** **GC-MS/MS**  
**TCA metabolites and intermediates.**  
**Amino and carboxylic acids.**

Sample vol.: 50 µL Concentrations in µmol/L

- 2-Aminoadipic acid
- 2-Hydroxybutyrate
- 3-Hydroxybutyrate
- 3-Hydroxyisobutyrate
- Acetoacetate
- Carboxyethyllysine
- Carboxymethyllysine
- Citrate
- Cystathionine
- Fumarate
- Glycine
- Histidine
- Isocitrate
- Kynurenines
- Lactate
- Malate
- Methionine
- Methylmalonic acid
- Ornithine
- Other amino acids:

Aspartic acid (Asp), glutamic acid (Glu), lysine (Lys), alanine acid (Ala), phenylalanine (Phe), isoleucine (Ile), leucine (Leu), proline (Pro), valine (Val), asparagine (Asn), glutamine (Gln), threonine (Thr), and tyrosine (Tyr).

**Platform I** **LC (HILIC)-MS/MS**  
**Short-, medium-, and long-chain acylcarnitines.**  
*New platform under development*

**Platform C** **LC-MS/MS**  
**Choline derivates.**  
**Charged, methylated or sulfur amino acids.**  
**Short- and medium-chain acylcarnitines.**

Sample vol.: 35 µL Concentrations in µmol/L

- 1-Methylhistidine
- 3-Methylhistidine
- Arginine
- Asymmetric dimethylarginine
- Betaine
- Carnitine
- Carnitine, total
- Choline
- Choline, total
- Citrulline
- Creatine
- Creatinine
- Dimethylglycine
- Histidine
- Homoarginine
- Methionine
- Methionine sulfoxide
- Short- and medium-chain acylcarnitines
- Symmetric dimethylarginine
- Total cysteine
- Total homocysteine
- Trimethylamine N-oxide
- Trimethyllysine

**Platform D** **LC-MS/MS**  
**Kynurenine pathway and B vitamins (B1, B2, B3, B6).**

Sample vol.: 60 µL Concentrations in µmol/L (\*) or nmol/L

- 4-Pyridoxic acid
- Cotinine
- Cystathionine\*
- Flavin mononucleotide
- Imidazole propionate\*
- Kynurenines\*
- Microbiota-derived indoles
- N1-methylnicotinamide
- Neopterin
- Nicotinamide
- Nicotinic acid
- Pyridoxal
- Pyridoxal 5-phosphate
- Pyridoxine
- Riboflavin
- Succinate
- Thiamine
- Thiamine monophosphate
- Trans-3-hydroxycotinine
- Trigonelline\*
- Trimethylamine N-oxide\*
- Tryptophan\*
- Derived indexes:
  - HK:XA ratio
  - HKr
  - Kyn/Trp ratio
  - PAr



**Platform E** **LC-MS/MS**  
**Folate species and catabolites.**

Sample vol.: 60 µL Concentrations in nmol/L

- 4-Alfa-hydroxy-5-methyl-THF
- 5-Formyl-tetrahydrofolate
- 5-Methyl-tetrahydrofolate
- Acetamidobenzoylglutamate
- Folic acid
- Para-aminobenzoylglutamate
- RBC-folate as pABG equivalents
- Serum folate as pABG equivalents

**Platform F** **Microbiological assay**  
**Folate (B9) and cobalamin (B12).**

Sample vol.: 15–35 µL Concentrations in nmol/L or pmol/L (\*)

- Erythrocyte folate
- Serum cobalamin\*
- Serum folate

**Platform G** **MALDI-TOF MS**  
**Proteins and proteoforms.**

Sample vol.: 30 µL Concentrations in µmol/L

- C-reactive protein
- Calprotectin and variants
- Cystatin C and variants
- HbA1c
- Serum amyloid A and variants

**Platform H** **LC-MS/MS**  
**Lipid-soluble vitamins and long-chain acylcarnitines.**

Sample vol.: 50–100 µL Concentrations in µmol/L or nmol/L (\*)

- 25-hydroxy vitamin D2\*
- 25-hydroxy vitamin D3\*
- All-trans retinol
- Long-chain acylcarnitines
- Phylloquinone\*
- α-tocopherol
- γ-tocopherol