



Untargeted profiling assays

Our untargeted assay provides peak areas of the metabolites. All our untargeted assays are characterized in EDTA plasma based on stable isotope-labelled analogues of the metabolites. Our portfolio includes:

Global metabolome profiling:

Required sample volume (EDTA plasma): 75 μ L

What: This assay reports medium polar metabolites include acylcarnitines, amino acids and derivatives, indoles and derivatives, nucleoside and nucleotide analogues, dipeptides, phenols and benzoic acids and derivatives.

How: After a protein precipitation step, these metabolites are measured by reversed-phase UHPLC-MS after two separate injections: one in positive ionization mode and one in negative ionization mode. Metabolite identification is executed by SWATH-MS analysis based on our in-house spectral library. Instrumentation used for this assay comprises of a Shimadzu UHPLC coupled to a Sciex TripleTOF 6600+ mass spectrometer.



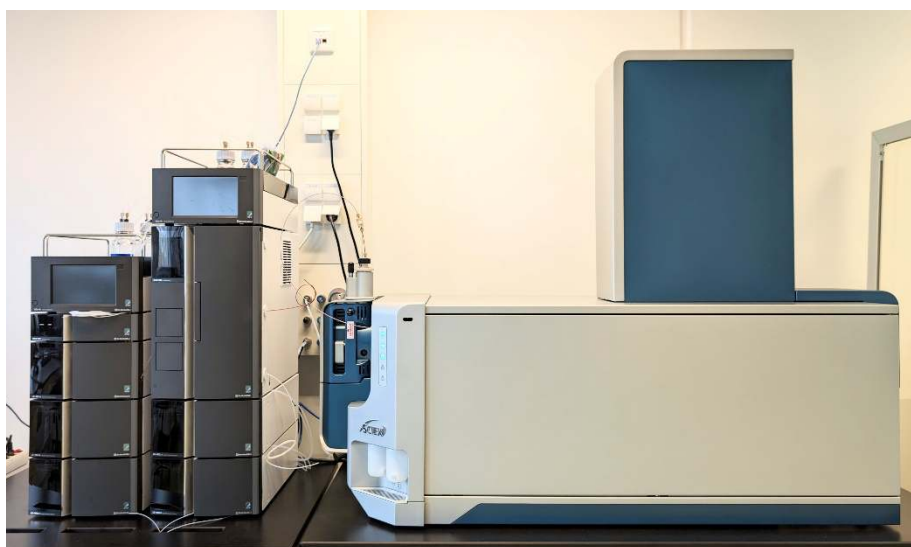
Instrumentation used for global metabolome profiling assay

Global exposome profiling:

Required sample volume (EDTA plasma): 100 µL

What: This assay covers various compound classes including indoles and derivatives, nucleoside and nucleotide analogues, phenols, acylcarnitines, bile acids, fatty acids, benzoic acids and derivatives, PFAS, pesticides, drugs.

How: After a protein precipitation step and phospholipid removal, these metabolites are measured by reversed-phase UHPLC-MS after two separate injections: one in positive ionization mode and one in negative ionization mode. Metabolite identification is executed by SWATH-MS analysis based on our in-house spectral library. Instrumentation used for this assay comprises of a Shimadzu UHPLC coupled to a Sciex ZenoTOF 7600 mass spectrometer.



Instrumentation used for global exposome profiling assay

Fee schedule 2026

Assays	<200 EDTA plasma samples	≥200 EDTA plasma samples
Global metabolome profiling	Upon request	€ 150/sample
Global exposome profiling	Upon request	€ 150/sample

Other sample matrices: upon request

For projects <200 samples, a start-up fee applies