

Untargeted Metabolomics

The untargeted metabolome is used for unbiased detection of metabolites in samples by LC-MS/MS and to obtain their qualitative and quantitative information. The main research idea is to compare the case group with the control group to find the differential metabolites and metabolic pathways between the groups, which can provide clues and directions for the research of disease biomarker development, pathogenesis and drug treatment mechanism.



Large curated database

Over 280,000 metabolites



Comprehensive identification strategy

In-house standard database

Integrated public database

AI database

MetDNA algorithm

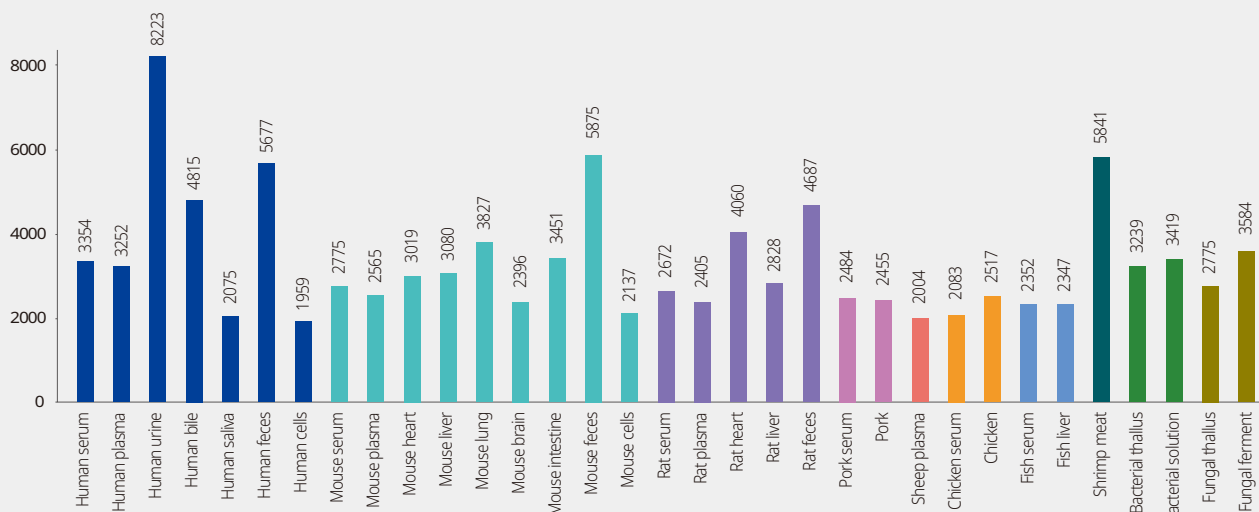


Rigorous quality control

Monitoring all aspects of experimentation from sample preparation to data collection.

Project Experience

Untargeted Metabolomics assay detected on average 2747 metabolites in plasma or serum samples, 2875 metabolites in tissue samples.



Number of metabolites detected from various samples, including serum and plasma and fecal samples, etc.

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