

Metabolomics

UHPLC Vanquish Horizon™ and HRMS Exploris 240™ A system combining ultra-high-performance liquid chromatography with high-resolution mass spectrometry for metabolomics analyses.

Technical Features:

- **Analytical versatility:** the ability to perform conventional chromatographic separations as well as online sample preparation, enabled by the dual pump configuration (Binary and Horizon).
- **DAD detector:** UV–visible spectrophotometric measurements using a diode-array detector.
- **Quadrupole filter and Orbitrap™ analyzer:** optimized for reliable and rapid measurements, providing detailed structural information.
- **Wide mass range (m/z 40 to 6000)** with high resolution power up to 240,000, enabling highly accurate measurements.

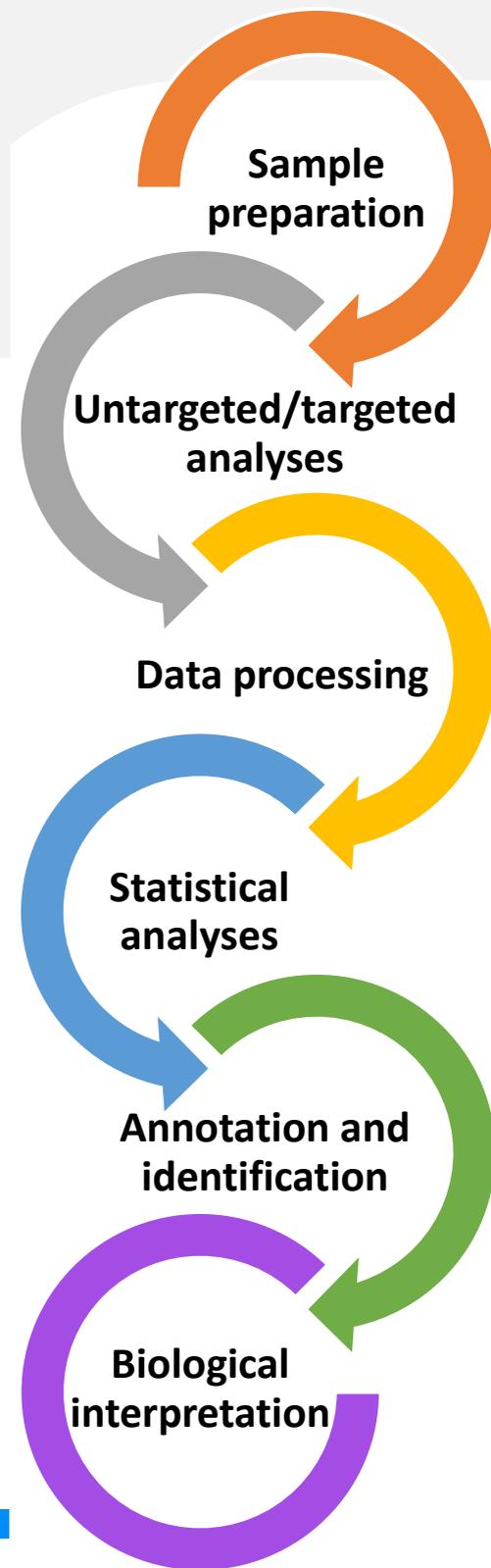


Applications :

- Untargeted metabolomics analyses using high-resolution mass spectrometry.
- **Qualitative and/or quantitative** analyses of metabolites.



- **Analysis of fermented plant and animal matrices across a broad range of compounds** (sugars such as GOS and FOS, amino acids, biogenic amines, organic acids, etc.),
- Understanding of biochemical reactions occurring during processing and of metabolic pathways in fermented foods.



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