

Energy Targeted Metabolomics

Energy metabolism is the process of generating energy (ATP) from nutrients such as glucose and fatty acids through pathways such as the amino acid pathway, glycolysis pathway, tricarboxylic acid cycle (TCA cycle), and pentose phosphate pathway (PPP). MetwareBio's Energy Metabolism Targeted Metabolomics obtains absolute quantitative results on 68 energy related metabolites from various fluid and tissue samples.



Absolute Quantitation

68 standard curves, $r > 0.99$



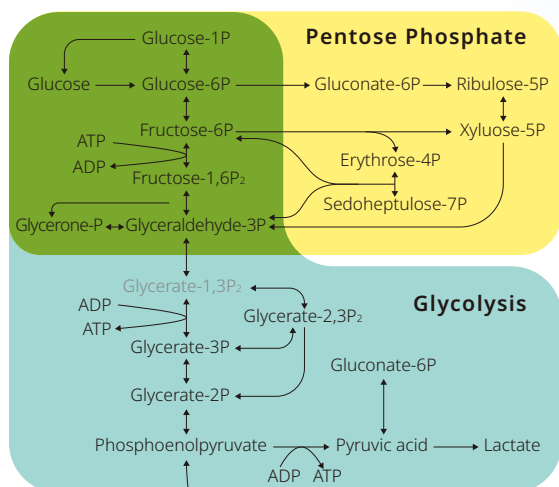
High Sensitivity

ng/ml concentration can be detected



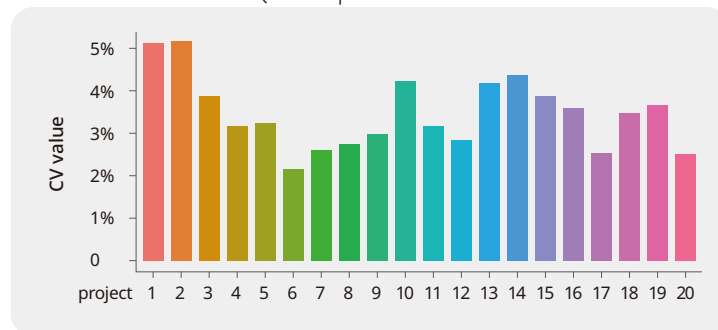
Wide Coverage

the panel covers 68 compounds in the three major pathways



High Stability

The detected metabolites showed a coefficient of variation (CV) of less than 6% in mixed QC samples.



Coefficient of Variation of energy metabolites detected over 20 projects

Project Experience

A total of 68 metabolites could be detected from various tissue samples, with an average detection of 59 metabolites.

