Serum/Plasma Quantitative Proteomics

Blood Quantitative Proteomics is a specialized method developed specifically for blood samples. Blood contains a diverse range of proteins with significant differences in abundance, with high-abundance proteins dominating. In conventional proteomics, signals from low-abundance proteins relevant to many disease indicators in the blood are often overshadowed by signals from high-abundance proteins, resulting in fewer detected proteins. Our quantitative blood proteomics approach first enriches the middle-to-low abundance proteins in the blood using methods such as high-abundance protein depletion or low-abundance protein enrichment. Subsequently, the samples are analyzed using the diaPASEF scanning mode, which offers high throughput, increased protein detection, and improved depth of analysis.



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