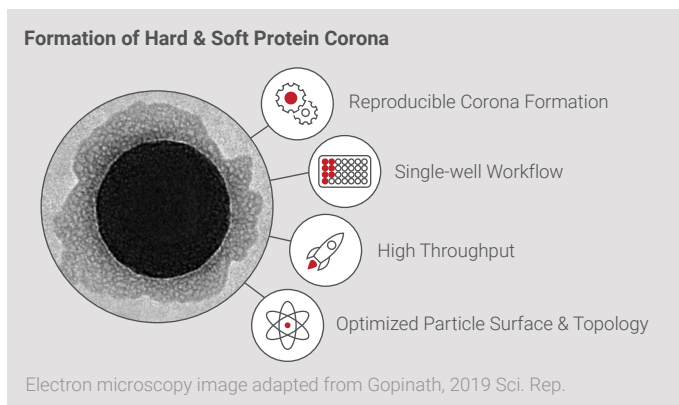


INTRODUCING THE P2 PLASMA ENRICHMENT SYSTEM

Achieve the Highest Plasma Enrichment with Leading Quantitative Precision at High Throughput

The novel particle-based P2 Plasma Enrichment System achieves the highest reported proteome enrichment with greater reproducibility than any other protein corona-based workflow. The optimized single-well sample preparation, combined with optimized particle surface, stabilizes the labile protein corona and provides exceptional quantitative accuracy.

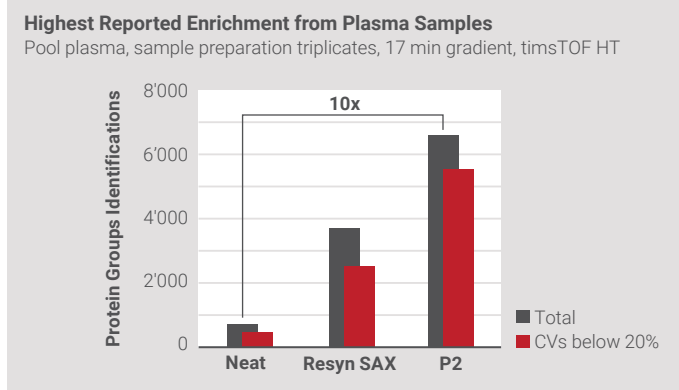


Optimized Corona Formation Effect

Our proprietary P2 Plasma Enrichment System builds upon the protein corona effect, which forms around particles upon exposure to blood plasma. It enriches low-abundant proteins in the more labile soft corona layer while effectively deriching abundant plasma proteins. The P2 Plasma Enrichment System combines an optimized surface for effective corona formation with a buffer system and conditions, stabilizing the soft corona.

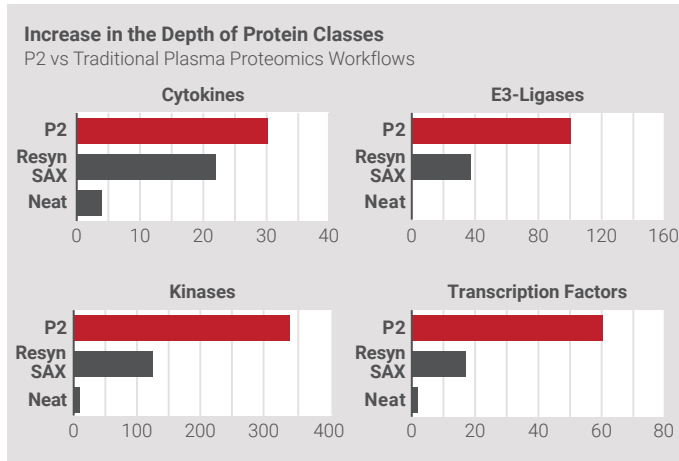
Achieving the Highest Reported Enrichment at Record Speed

Compared to traditional plasma workflows, the P2 Plasma Enrichment System achieves a 10-fold plasma proteome enrichment with proteome coverage of up to 7,000 protein groups. This system reveals biological insights from precious plasma samples, encompassing a wide array of protein classes, including exosomal markers. Our efficient 17-minute LC gradient enables the analysis of large sample cohorts, combining high throughput with exceptional depth and reproducibility.



Enhancing Proteome Coverage to Track Alterations in Key Protein Classes

The P2 Plasma Enrichment System enhances proteome coverage, revealing extensive details of biologically significant protein classes such as cytokines, E3-ligases, kinases, and transcription factors. This increased depth enables a better understanding of disease progression and more effective pharmacodynamic monitoring of therapeutic agents.



Available as Contract Research Service or Under License

The P2 Plasma Enrichment System is offered as a TrueDiscovery® contract research service from our facilities in Schlieren, Zurich, Switzerland and Newton, Massachusetts, US. For end-users of facilities equipped with timsTOF or similar high-performance mass spectrometry platforms, the system is also available as licensing option.

Contact us at [Biognosys.com/contact](https://www.biognosys.com/contact).