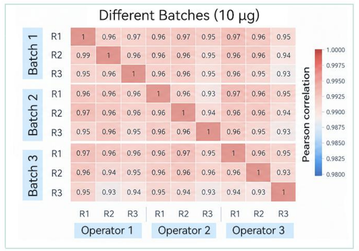
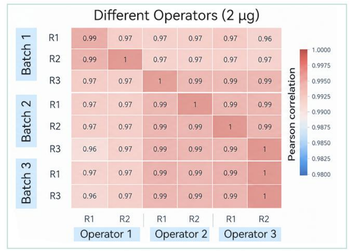
SISPROT® SE – Standardized Workflow for Routine Samples

Suitable for cells, biofluids, exosomes and other routine proteomics samples

2h Experiment Duration | **1-10ug** Protein Input | **P>0.94** Inter-Batch Correlation | **P>0.96** Inter-Operator Correlation

Reliable quantification can be achieved by different operators between different batches, perfectly meeting the high-throughput testing requirements for large-scale population cohort studies and drug screening.





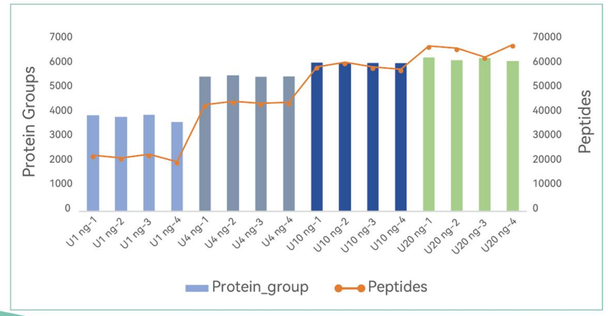
*293T, Orbitrap Exploris 480, effective gradient50 min, DDA, FragPipe 19.0

SISPROT® PAC – Ultra-Low-Input Sample Preparation Kit

Designed for laser capture microdissection (LCM), trace cell populations, primary cells, fine needle biopsies and spatial proteomics specimens.

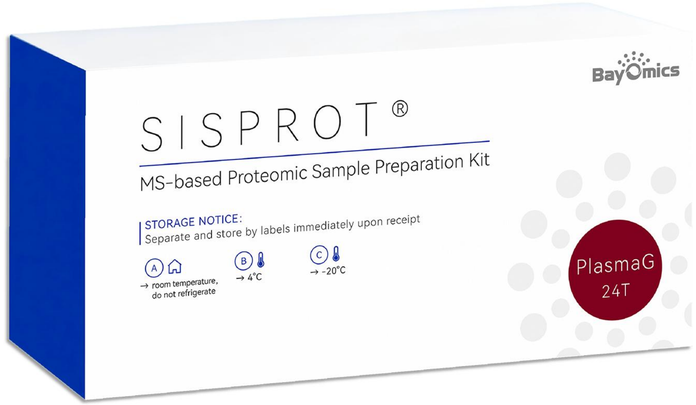
1ng Protein Input | **> 3500** Proteins Identified | **6h** For 24 Samples | **CV < 10%** Reproducibility | **> 0.93** Pearson Correlation

The SISPROT® PAC Kit reliably identifies ~**3,500 proteins** from ultra-low-input samples containing as **little as 1 ng** of protein, offering an efficient, robust workflow for ultra-low-input proteomics research.



Quick Selection Guide

product series	Product Name	Cat. No.	Format	Input	Sample Types
PlasmaG	SISPROT® PlasmaG	BO-030-08 BO-030-24 BO-030-96	8T/24T/96T	40uL	Plasma/Serum
	autoSISPROT® PlasmaG	BO-031-96	96T	40uL	
SE	SISPROT® SE	BO-008-06 BO-008-24 BO-008-96	6T/24T/96T	1-10ug	Cells, exosomes, IP solution, blood, urine and other body fluid samples
	autoSISPROT® SE	BO-020-96	96T	1-10ug	
	SISPROT® SE Ess	BO-008-08-Ess BO-008-24-Ess BO-008-96-Ess	8T/24T/96T	1-10ug	
	autoSISPROT® SE Ess	B0-020-96-Ess	96T	1-10ug	
FLEX	SISPROT® FLEX	BO-012-06 BO-012-24	6T/24T	1-10ug	Animal/plant tissues, biopsy tissues, FFPE, cells, exosoms, urine, tears, plasma, etc.
	autoSISPROT® FLEX	BO-021-96	96T	1-10ug	
	SISPROT® FLEX Ess	BO-012-08-Ess BO-012-24-Ess BO-012-96-Ess	8T/24T/96T	1-10ug	
	autoSISPROT® FLEX Ess	BO-021-96-Ess	96T	1-10ug	
SP3	SISPROT® SP3	BO-024-08 BO-024-24 BO-024-96	8T/24T/96T	5-20ug	Animal tissues,FFPE, cells, urine, plasma, etc.
	autoSISPROT® SP3	BO-023-96	96T	5-20ug	
PAC	SISPROT® PAC	BO-013-06 B0-013-24	6T/24T	1-1000ng	LCM samples, micro-biopsy samples, primary cells, oocytes and other ultra-low-input samples
G-beads	Plasma G-beads	BO-032-24 BO-032-96	24T/96T	40ul	Plasma/Serum



SISPROT® Proteomics Sample Preparation Kit

Integrated sample preparation solutions covering routine, complex, and ultra-low-input samples

BayOmics

Materials

Linkedin

0755-26907483

www.bayomics.com
contact@bayomics.com

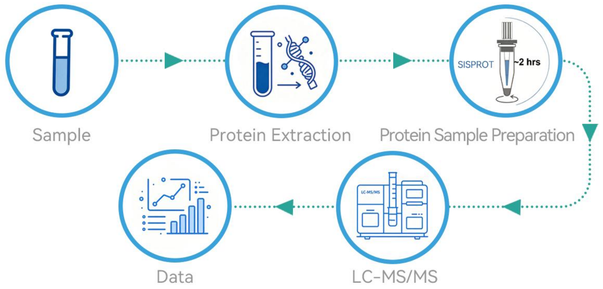
Nanshan Zhiyuan, Nanshan District, Shenzhen City, Guangdong Province, China

COMPANY PROFILE

Shenzhen BayOmics Biotechnology Co., Ltd

SISPROT® Integrated Proteomics Sample Prep Technology

SISPROT® (Simple and Integrated Spintip-based Proteomics Technology) consolidates protein reduction, alkylation, digestion, and desalting within a unique centrifugal pipette tip called "Spintip". **All proteomics preparation steps are completed in the one-stop strategy**, minimizing sample loss and yielding highly pure peptides.



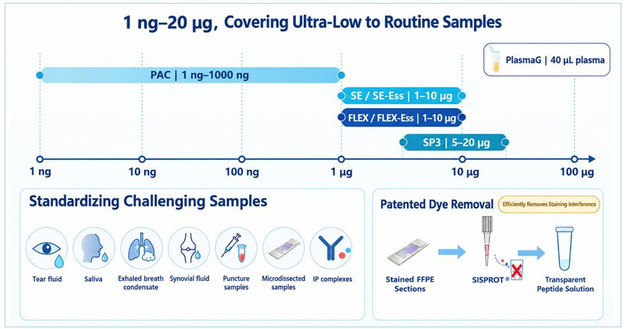
Technical Advantages

01 Broad input range

The SISPROT® kits supports sample input from **1 ng to 20 µg**, covering both ultra-low-input and routine samples.

02 Standardized processing for challenging samples

Provide mature and standardized protocols for various challenging samples, lowering the barrier for preprocessing of difficult samples.



03 100% automation

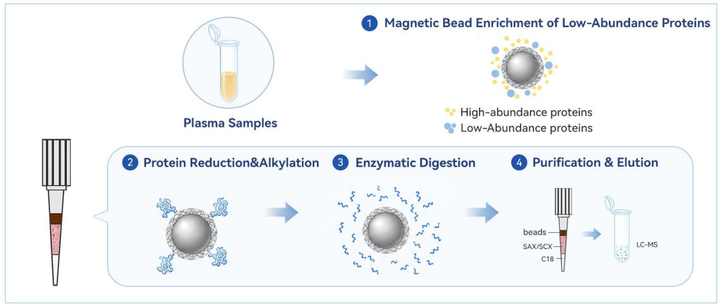
Fully compatible with **HTProX** and other automation platforms for hands-free operation.

04 Strong academic & patent validation

Core technology published in Nature and other high-impact journals; **20+** research papers and **20+** patents granted.

SISPROT® PlasmaG-Dedicated Plasma & Serum Preparation Kit

Leveraging magnetic microsphere-based enrichment, the workflow selectively captures low-abundance plasma proteins. On-bead digestion is performed throughout and integrated with our proprietary SISPROT® sample preparation technology, consolidating pre-enrichment, reduction, alkylation, digestion, and desalting into a single streamlined process to deliver purified peptides.



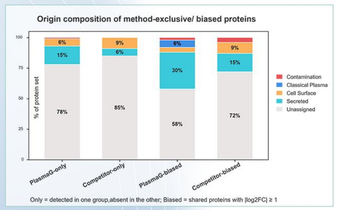
5000+ Proteins Identified from Fresh Plasma

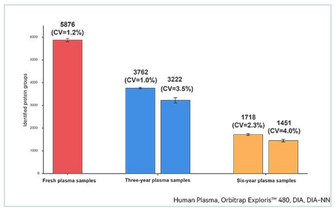
99% Efficient Removal of High-Abundance Proteins

3 Contamination indices superior to competitors

R > 0.93 Inter-Batch Pearson Correlation

- **Broad Proteome Coverage :** 5,000+ proteins from fresh plasma
- **Low Contamination & High Functional Protein Enrichment :** This workflow delivers significantly higher detection sensitivity for secreted proteins and extracellular vesicle (EV) biomarkers than competing products, while minimizing background contaminants to ensure accurate and reliable mass spectrometry data.





SISPROT® FLEX – Complex Sample Preparation Kit

Suitable for animal/plant tissues, microorganisms, and samples lysed in SDS-containing lysis buffer.

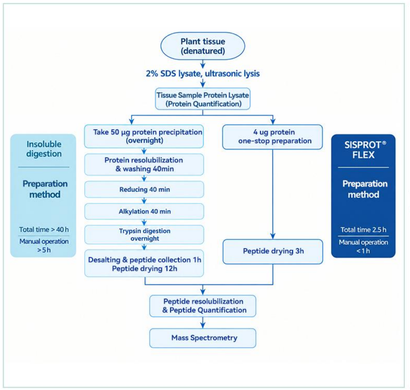
2.5h experiment durat

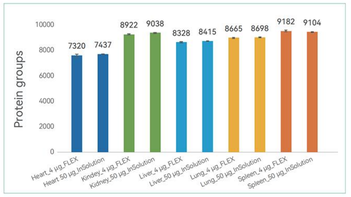
1-10ug Protein input

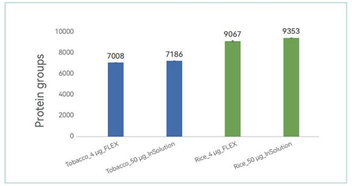
4 µg / 7500+ Proteins Identified (from 4 µg input)

99.99% SDS removal rate

The SISPROT® FLEX Kit achieves protein identifications comparable to conventional methods across diverse tissue samples, while significantly reducing sample input—delivering both enhanced efficiency and substantial sample savings.







*100ng, timsTOF Pro2, effective gradient 80 min, DIA, Spectronaut

SISPROT® Essential

To make standardized high-quality sample preparation accessible to more laboratories, we have fully upgraded our SE and FLEX product into **Essential (Ess) editions**. The core reagent chemistry, workflow controls and quality benchmarks remain identical, while consumable configurations are streamlined with bulk pack sizes **to deliver cost advantages** for large-scale research projects.

Optimized design, uncompromised quality!