THE PROTEOMICS ECOSYSTEM

Seamless Workflows from Sample Prep to Data Analysis

Unlock the benefits of combining PreOmics, Bruker, and Biognosys technologies — delivering optimized, reproducible results across your LC-MS applications.

Sample Preparation

BeatBox®
Tissue homogenization & cell lysis

iST Kits
All-in-one proteomics sample prep

Quality Control

iRT
Standardized quality control of LC-MS platforms

Plasma Profiling

ENRICH-iST & ENRICHplus
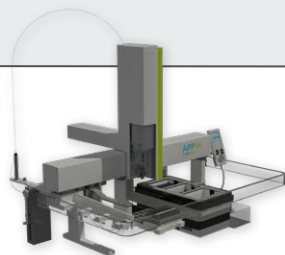Ready-to-use plasma prep kits

P2 Plasma Enrichment
Licensing-based solution

PQ500
Reference peptides for absolute quantification

Automation

APP96™
High-throughput iST sample prep

PreON®
Mid-throughput fully automated iST sample prep

Liquid Chromatography Separation

PepSep® Classics
Reliability & flexibility for routine proteomics

PepSep® Advanced
Superior sensitivity and resolution for cutting-edge proteomics

LC-MS

Elute LC family
Precision flow solutions for every proteomics challenge

timsTOF™ family
Deep proteomics at uncompromising speed

Data Analysis

ProteoScape™
GPU-powered platform delivering parallel computing capabilities

Spectronaut®
The gold standard software for DIA analysis

SpectroMine™
Unsurpassed performance for DDA proteomics

SpectroDive™
Advanced and versatile solution for targeted proteomics analysis

Application	Product	Description	Available Options	Learn More
Sample Preparation	iST Kits	All-in-one, standardized, reliable, fast & easy solution for proteomics sample preparation for MS analysis.	– iST 8x (P.O.00001) – iST 96x (P.O.00027) – iST 96x HT DV (P.O.00198) – iST-BCT 8x (P.O.00084) – iST-BCT 96x (P.O.00099) – iST-BCT HT DV (P.O.00166) – iST-NHS 12x (P.O.00026) – iST-NHS 96x (P.O.00030) – iST-NHS 96x HT DV (P.O.00253)	
Tissue Homogenization & Cell Lysis	BeatBox® Instrument	Easy to use, fast tissue homogenization and cell lysis for efficient and reproducible sample preparation.	– BeatBox® Instrument (P.O.00144) Consumables: – BeatBox Tissue Kit 96x (P.O.00121) – BeatBox Tissue Kit 24x (P.O.00128)	
Quality Control	iRT Kit	The iRT Kit allows standardized quality control of LC-MS platforms.	– 1x iRT Kit (Part No: 1816351). Sufficient for approximately 500 injections. – 2x iRT Kit (Part No: 1900615). Sufficient for approximately 1000 injections.	
Plasma Profiling	ENRICH-iST Kits	Flexible, fast, and robust solution targeting low-abundance proteins in mammalian plasma, serum, CSF, and other high dynamic range samples.	– ENRICH-iST 8x (P.O.00163) – ENRICH-iST 96x (P.O.00164) – ENRICH-iST 96x HT (P.O.00165)	
	ENRICHplus Kits	Deep, reproducible, and scalable human EDTA plasma sample enrichment for unparalleled protein identifications.	– ENRICHplus 12x (P.O.00217) – ENRICHplus 96x HT (P.O.00216)	
	PQ500 Reference Peptides Kit	Reference peptide kit for quantification of more than 500 proteins in human plasma / serum samples.	– PQ500™ 24 (Part No: 1915523) – PQ500™ 48 (Part No:. 1915548) – PQ500™ 96 (Part No: 1915597)	
	P2 Plasma Enrichment System	Particle-based solution for plasma and biofluids profiling available under license terms.	P2 reagents are available in package sizes of 500, 1000, and 3000 samples.	
Automation	APP96™ Instrument	High-throughput automated sample preparation platform tailored for larger-scale proteomics workflows, capable of processing reliably up to 96 samples per run, compatible with PreOmics®' standardized iST and iST-BCT kits.	– APP96™ Instrument (P.O.00139) Consumables: – iST APP96™ 96x (P.O.00141) – iST-BCT APP96™ 96x (P.O.00184)	
	PreON® Instrument	Fully automated, user-friendly benchtop instrument designed for mid-throughput proteomics workflows, capable of processing up to 16 labeled or 12 unlabeled samples per run with highest reproducibility.	– PreON® Instrument (P.O.00069) Consumables: – iST PreON® Tips (P.O.00091) – iST PreON® 8x (P.O.00077) – iST PreON® 96x (P.O.00079) – iST-NHS PreON® 96x (P.O.00080) – iST-BCT PreON® 8x (P.O.00130) – iST-BCT PreON® 96x (P.O.00131) – iST-NHS PreON® 12x (P.O.00078)	
Liquid Chromatography Separation	PepSep® Classics	Reliable and versatile columns designed for routine proteomic analyses.	A wide range of versatile columns with various lengths, diameters, and particle sizes.	
	PepSep® Advanced	Advanced columns delivering superior sensitivity and resolution for cutting-edge proteomics.	Size: 25 cm x 75 µm x 1.5 µm	
	PepSep® CaptiveSpray 2 Emitters	Plug and play ready-to-use emitters, equipped with column connection union and spray tip to facilitate a hassle-free CaptiveSpray setup.	Available in two internal diameters: 10 µm and 20 µm	
Software	Spectronaut®	Commercial software package for analyzing data-independent acquisition (DIA) proteomics experiments.	Annual and multi-year license options for academia and industry: – Standard license (1 seat) – Advanced license (5 seats) – Premium license (number of seats per user demand)	
	SpectroMine™	Powerful and user-friendly solution for data-dependent acquisition (DDA) proteomics.	Annual and multi-year license options for academia and industry.	
	SpectroDive™	Advanced and versatile software for the analysis of targeted proteomics.	Annual and multi-year license options for academia and industry.	