

## iST Kit



## Customer Statements



"We tested PreOmics' iST Kit and were amazed by the results. The number of identified peptides and proteins was 20-30% higher compared to what is achieved using our standard lab procedure. Using the iST Kit enables you to start processing your samples in the morning and have them ready for LC-MS in the afternoon."

*Dr. Manuel Tzouros, Project Leader, Discovery Proteomics, Roche Innovation Center Basel*



"Using this new sample preparation technology, we increased the efficiency of tryptic peptide cleavage and obtained better identification rates in our samples. In addition, the short hands-on-time for the entire workflow, as well as the comparatively low amounts of starting material, now enable us to process more and be more time-efficient."

*Dr. Andreas Tebbe, Head of Mass Spectrometry, Evotec Munich*



"In the Core Facility Proteomics of the LMU Munich, we have used the PreOmics' sample preparation kit to process different kinds of samples from our users. We are really happy with the results and we have already recommended the PreOmics' kit to our colleagues."

*Dr. Ignasi Forné, Technical Director, Protein Analysis Unit, Biomedical Center Munich*

## Benefits of iST Kit

### robust & sensitive

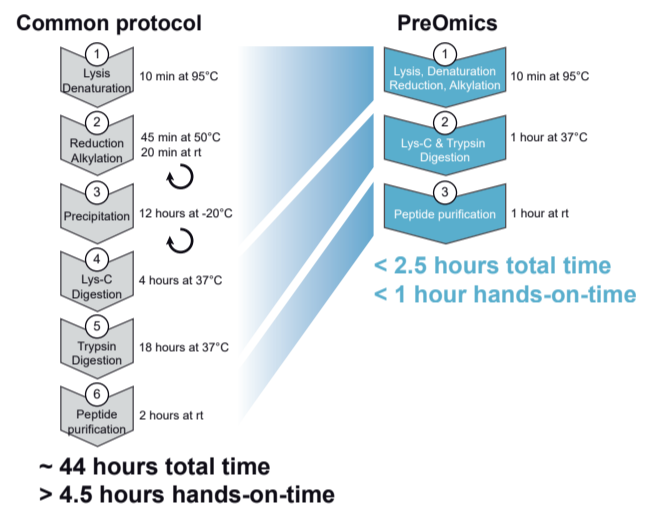
- high reproducibility:  $R^2 > 0.9$
- working range: 1-100  $\mu\text{g}$  protein input
- more peptide & protein identifications

### rapid results

- 1 hour hands-on time
- single-step lysis, reduction and alkylation
- all-in-one solution, all reagents provided

### cleanest peptide samples

- dual cleanup step removes hydrophilic & hydrophobic contaminants
- results in ready-to-measure peptides
- compatible with standard lab equipment



## iST Kit for standardized proteomic sample preparation

[www.preomics.com](http://www.preomics.com)

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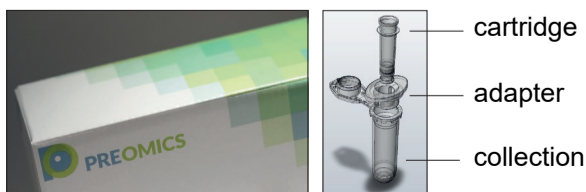
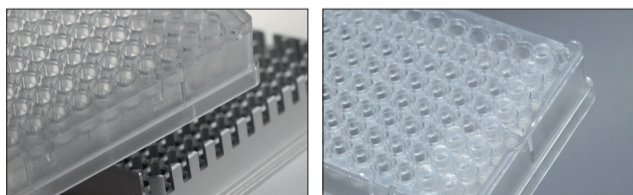
## Mass Spectrometry-based Proteomics

Mass spectrometry-based proteomics enables the parallel identification, characterization and quantification of hundreds to thousands of proteins, even in the most complex biological samples.

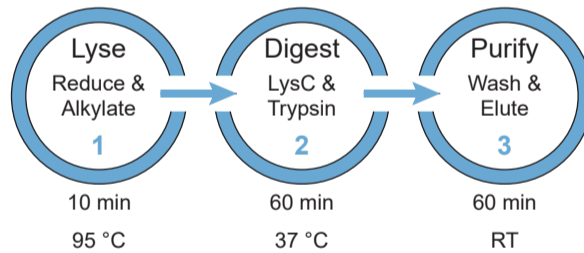
However, many laboratories are struggling with ineffective, insensitive, irreproducible and slow proteomic sample preparation.

## PreOmics' Solution

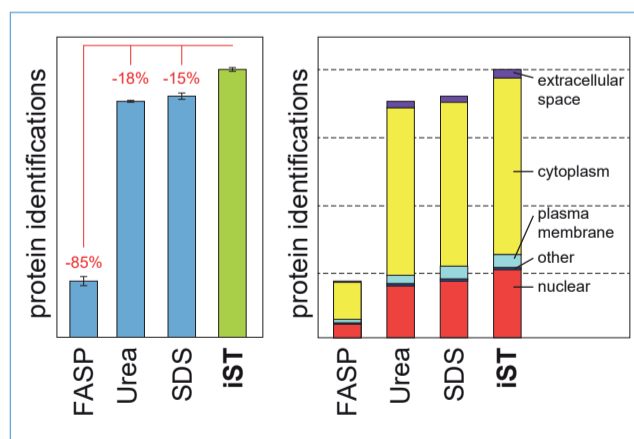
Our **inStageTip (iST) Kit** addresses these limitations and enables a robust and reproducible sample preparation with a significant time advantage (>40 hrs, see next page) compared to its competitors, which is essential for reliable and informative results. In addition, we offer solutions for high-throughput and streamlined robotic sample preparation workflows.



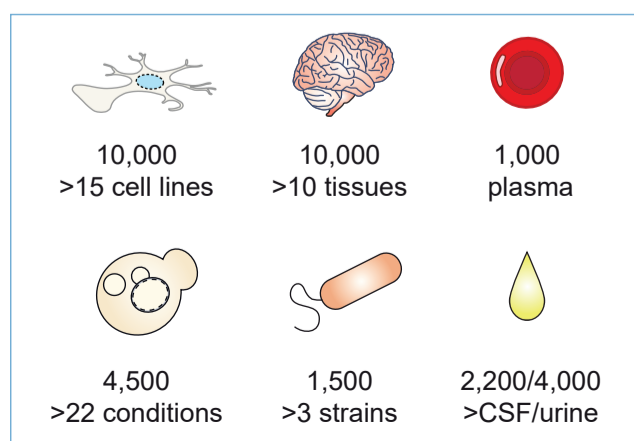
## How does the iST Kit work?



### validated by academia & pharma



### high protein identifications (iST & Spider)



## iST Application Areas

### methods

- proteome discovery
- validation of biosimilars
- immunoprecipitations
- absolute & relative quantification

### sample types

- cell lines
- fresh & FFPE tissues
- body fluids (serum, plasma, CSF, urine)
- antibodies & host cell proteins
- bacteria & yeast

PreOmics is a spin-off from the Matthias Mann lab at the Max-Planck Institute of Biochemistry. We develop and provide innovative technologies for mass spectrometry-based proteomics for faster, easier and more reliable results than ever before.



### Phoenix

Peptide Cleanup Kit for 96 reactions, removes polymers, detergents, lipids & salts.



### Spider

Peptide pre-fractionation system with nano-flow, fully automated, plug & play, sensitivity from sub- $\mu\text{g}$  to 100  $\mu\text{g}$  per fractionation.