

iST Kit for Proteomic Sample Preparation

Intuitive protocol for consistent results

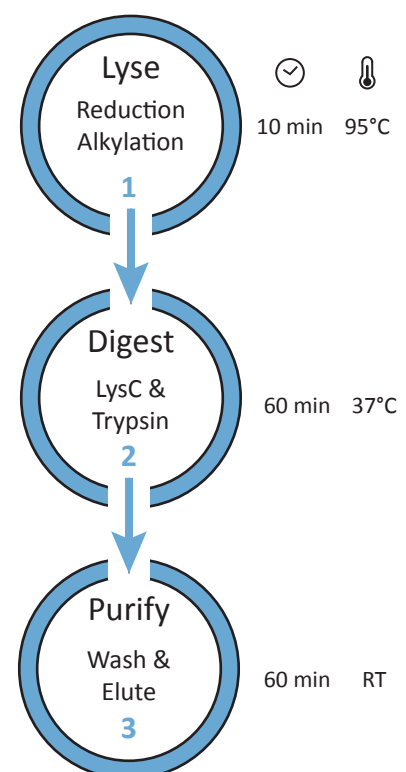
- high reproducibility ($R^2 > 0.9$)
- all-in-one solution
- short hands-on time (<1 hour)
- versatile for various sample types (cells, tissues, liquid biopsies, IPs)
- validated in multiple publications (Nat Methods, MCP, Genome Med)

Applications

- proteome discovery
- validation of biosimilars
- immunoprecipitations
- body fluid analysis (blood, CSF, serum, urine, and more)

Benefits of iST

- single-step lysis, denaturation, alkylation and reduction
- dual clean-up to remove hydrophilic & hydrophobic contaminants
- compatible with standard lab equipment
- results in ready-to-measure peptides
- works with less than 20 μg protein input
- ultrafast sample preparation workflow (total time <2.5 hours)
- more total & exclusive peptide and protein identifications compared to alternative workflows



easy-to-use - cleanest peptides - sensitive protocol

iST Kit for Proteomic Sample Preparation

Technology

The PreOmics iST Kit is based on the in-StageTip (iST) method enabling sample preparation in a single, enclosed volume. This robust procedure largely eliminates sample contamination or loss and is easily scalable. Since its first description in 2014, PreOmics has improved the iST method to optimize proteomic sample preparation for an even wider range of applications.

Peptide retention

Mixed reversed phase



Cartridge

Adapter

Collection



iST kit includes
ultrapure reagents,
enzymes and
cartridges

Products (for research only)

| Product Name | Size | Catalog Number |
|------------------------|-------------------|----------------|
| iST Kit | 8 rxns | P.O.00001 |
| iST Kit | 96 rxns | P.O.00027 |
| 96-well Adapter | 2 plates | P.O.00002 |
| Heating Shaker Adapter | 1 adapter & plate | P.O.00004 |

The iST Kit is also available with different enzyme mixes, including AspN, GluC, LysC. Single items of iST can be purchased separately.

Please contact us for further information: order@preomics.com

Selected references

- Kulak et al. (2014) Nature Methods
- Geyer et al. (2016) Cell Systems
- Grassl et al. (2016) Genome Medicine

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