

# Phoenix Peptide Cleanup Kit

removes detergents, polymers, salts, lipids and more



Phoenix 96x  
P.O.00023 | EUR 1,599

- highly efficient cleanup of peptides
- exceptional peptide recovery
- easy-to-use, sensitive and fast



## Phoenix

### Ordering & Distribution Partners

All items are available directly from PreOmics, please contact us at: [order@preomics.com](mailto:order@preomics.com).

PreOmics offers worldwide shipping from our warehouses in Germany and the USA. For orders from Australia and Japan, please contact our distribution partners:

Australia  
Genesearch Pty Ltd  
Unit 3, Arundal Central  
8 Technology Drive  
Arundel Qld 4214

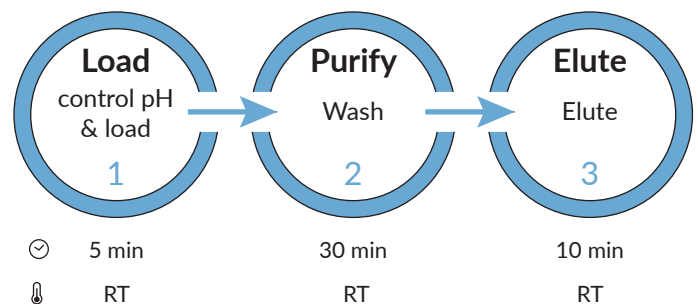
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3-10-3, Senba Nishi  
Mino City, Osaka  
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[www.kiko-tech.co.jp](http://www.kiko-tech.co.jp)  
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## Standardized peptide cleanup for MS-based proteomics

PreOmics` Phoenix Kit for peptide cleanup offers an easy-to-use solution to clean up peptide mixtures and efficiently remove detergents, polymers, salts, lipids and more for reliable LC-MS analyses.



For complete proteomic sample preparation solutions, please see our iST Kits at [www.preomics.com/products](http://www.preomics.com/products).

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# Benefits of Phoenix Kit

## cleanest peptide samples

- mixed-reversed phase peptide retention layer enables washing with organic solvents
- three cleanup steps remove both hydrophilic & hydrophobic contaminations

## simultaneous removal of different contaminant types

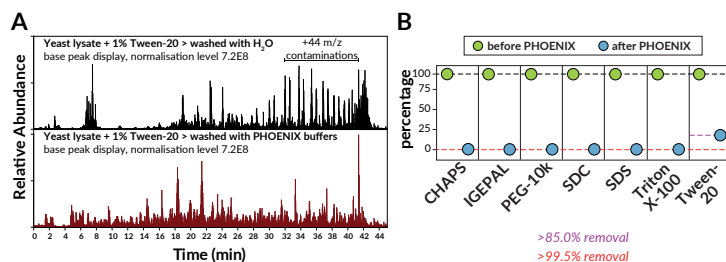
contaminations	potential sources of origin
salts	ion exchange chromatography
sugars	sucrose density gradients
lipids	membrane enrichments; HDL/LDL
polymers	polyethylene glycol; plastic leaching
chemical labels	excess iTRAQ or TMT reagents
detergents	CHAPS; Igepal CA-630 (Nonidet P-40); SDC; SDS; Triton X-100; Tween-20; ...

## ease-of-use

- results in ready-to-measure peptides
- compatible with standard lab equipment
- 45 min processing time
- flexibility to process smaller batches or 96 samples at once

# Removal Efficiency

The Phoenix Kit enables efficient removal of detergents, exemplified by the absence of polyoxyethylene polymers with the characteristic mass shift of +44 m/z in samples cleaned with Phoenix wash buffers (Fig. 1A). For detergents such as CHAPS, Igepal, SDC, SDS, Triton X-100 and the polymer PEG-10k the Phoenix kit removed >99.5% of the contamination; for Tween-20, the removal efficiency was >85%, due to the high repeat numbers of polythethylene glycol (Fig. 1B).



# Peptide Recovery

The mixed-reversed phase peptide retention layer of the Phoenix cartridges guarantees excellent peptide recovery of >90%, as well as only minimal losses for protein and peptide identifications and intensities (Fig. 2A+B).

