

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

Ordering & Distribution Partners

All items are available directly from PreOmics, please contact us at: 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

www.genesearch.com.au
+61 7 5594 0299

Japan

Kiko Tech Co., Ltd
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Mino City, Osaka
562-0036

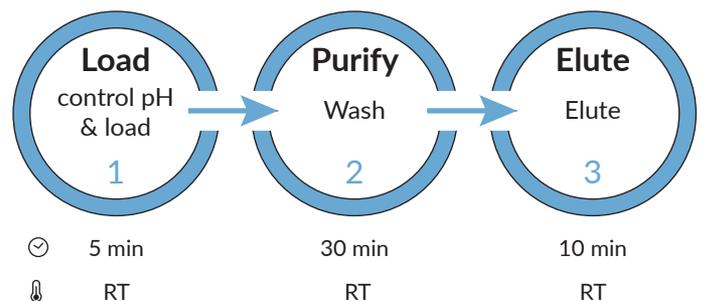
www.kiko-tech.co.jp
+81 72 730 6790



Phoenix

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.

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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

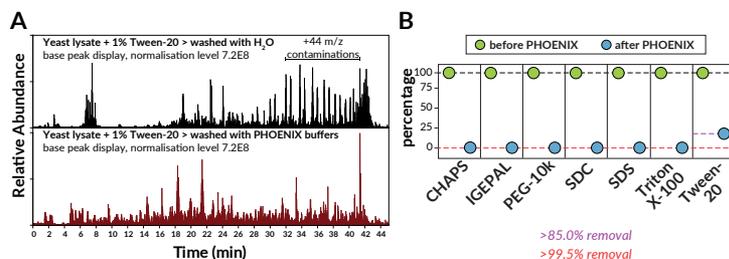
contaminations	potential sources of origin
salts	ion exchange chromatography
sugars	sucrose density gradients
lipids	membrane enrichments; HDL/LDL
polymers	polyethylene glycol; plastic leaching
chemical labels	excess iTRAQ or TMT reagents
detergents	CHAPS; Igepal CA-630 (Nonidet P-40); SDC; SDS; Triton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

