
Important Information on your HeavyPeptides

AQUA Basic and FasTrack I are delivered as lyophilized TFA (trifluoroacetic) salts. Upon receipt, please prepare single-use aliquots (if necessary) and store the products immediately at -20°C . When working with peptides, always wear gloves in order to avoid contamination (enzymatic, bacterial, etc.).

Allow the peptide to warm to room temperature (preferably in a desiccator) before dissolving it. Always use sterile water or buffer (PBS, Tris or phosphate, pH 7) for preparation of solutions. For peptides containing cysteine, methionine or tryptophan, which are rapidly susceptible to oxidation, use oxygen-free solvents.

As the amino acid composition determines the properties of every individual peptide, we recommend testing solubility with a small amount of product. If the product proves insoluble in water / buffer due to high hydrophobicity, addition of ACN (acetonitrile) may be necessary:

In such cases dissolve the peptide in the smallest possible volume of a 50% (v/v) ACN / water mixture and subsequently add water / buffer until the desired concentration is achieved. If product precipitates again during this process and cannot be re-dissolved by adding ACN, lyophilization is required and another attempt of solubilization is needed.

Solubility can also be facilitated by careful warming (do not exceed 40°C) or sonification. If you need to increase the pH of the solution, use only very weak bases in order to prevent immediate inactivation by racemisation.

Peptide solutions should be used up immediately as they are unstable (the lower the concentration, the more unstable). As many peptides prove to be light-sensitive, they should be kept from direct light. Repeated thawing and freezing must be avoided. Any remaining solutions should be re-lyophilized for longer storage.

If you have any questions regarding a product, please contact our team at:
peps@thermofisher.com

For Europe, Middle East, and Africa:
europeservicespeptides@thermofisher.com

<p>Attention: The chemical, physical, and toxicological properties of peptides have not been fully investigated. Peptides should be handled only by or under the direct supervision of a technically qualified individual. Please contact us for a copy of the SDS (safety data sheet).</p>
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AQUA Kits and FasTrack II are delivered on ice as peptide solution (5% ACN/H₂O) in multiple aliquots. PEPotec™ SRM are delivered on ice in Thermo Scientific™ Matrix™ 96-tube plates as peptide solution (0.1% TFA in 50% (v/v) ACN/H₂O). Upon receipt, please store the products immediately at –20°C. Repeated thawing and freezing must be avoided in order to conserve the product quality. Thus, only the number of aliquot needed should be thawed and warmed to room temperature (preferably in a desiccator) before usage.

When working with peptides, be sure to always wear gloves in order to avoid contamination (enzymatic, bacterial, etc.).

Precipitated peptides can be solubilized by careful warming (do not exceed 40°C) or sonification. If you need to increase the pH of the solution, use only very weak bases in order to prevent immediate inactivation by racemisation.

Once peptide solution is thawed, it should be used immediately or kept on ice until usage. As many peptides are light-sensitive, they should be kept from direct light. Leftover peptide solution should not be frozen again.

If you have any questions regarding a product, please contact our team at peps@thermofisher.com

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