Lyophilisation: A tool to enhance product stability





Purpose

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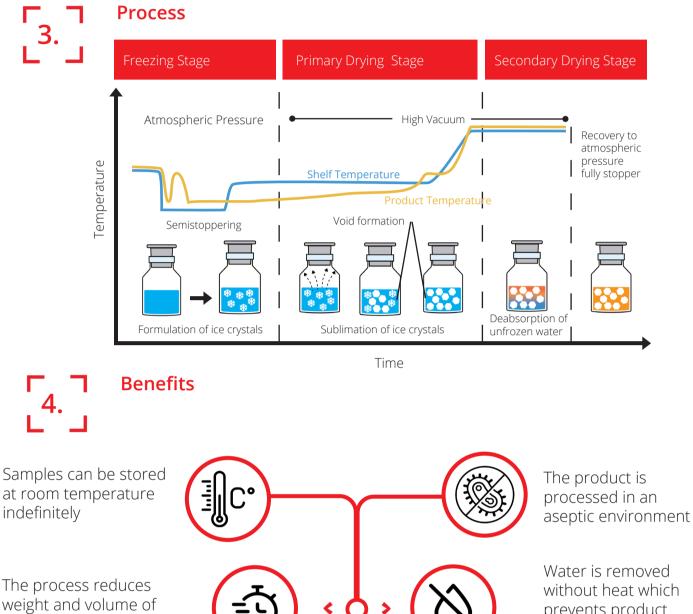
Definition

To preserve the biological activity of the product

A stabilizing process in which a substance is first frozen then the quantity of the solvent is reduced, first by

sublimation (primary drying stage) and then desorption (secondary drying stage) to values that will no longer support biological activity or chemical reactions.

- To reduce the product weight to lower the transportation costs
- To extend the shelf life or stability
- To eliminate the need for refrigeration storage
- To get accurate, sterile dosing into the final product container





samples making them ideal for shipping

prevents product degradation during drying

Dissolution of the reconstituted product is both easy and rapid

The shelf life of the drug product is extended, and stability is enhanced

Pharmaceutical products suitable for lyophilisation 5. Small Nucleic mAbs Molecules Acids Recombinant Peptides Proteins ATMPs/Viral Antibody Cytotoxics **Vector Therapies** Drug Conjugates Contact us to find out about: > How we can design a process for aseptic lyophilisation for biologics and complex drug products

- Validation requirements and regulatory guidance for aseptic manufacturing processes
- Our well-designed validation strategy that enables efficient aseptic lyophilisation based on your DP makeup



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