

Freeze dryer

Freeze dryer (lyophilizer) executes a water removal process typically used to preserve heat-sensitive materials. Freeze dryers work by freezing the material, then reducing the pressure and adding heat to allow the frozen water in the material to sublimate. The process does not damage the chemical structure, preserves materials, and reduces the risk of contamination.

Examples of uses:

- product shelf life extension
- food processing
- preservation of biological products

