

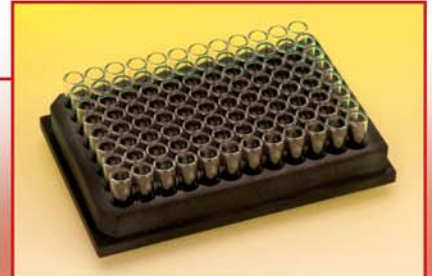
VirTis® 96 Well Freeze Drying Systems

New, Uniquely Designed Glass and Plastic Systems for High Throughput Freeze Drying

- Comprehensive systems offer choice of high efficiency glass or economical plastic freeze drying vials
- Solid aluminum 96 well vial holders provide even heat distribution to ensure consistent freeze drying results for every sample
- Slotted LyoCap™ 96 well capmat stoppers enable samples to be freeze dried under vacuum or inert gas
- Available in a range of glass vial sizes, a standard plastic vial plus accessories for handling and storing samples

The Advantages of Glass in a 96 Well Configuration

The VirTis® 96 Well Freeze Drying System consists of a combination of glass vials and aluminum vial holders which eliminate the problems caused by the edge effect in standard plastic 96 well plates. Samples in standard plates tend to dry faster in wells around the edges while samples in the middle wells retain more water to the point that they can collapse when freeze drying is terminated. Glass vials in the aluminum rack also speed the freeze drying process with better heat transfer which is an important parameter for both initial freezing and subsequent primary and secondary drying. Once samples are lyophilized the LyoCap 96 Well Stoppers can be pressed into the vials which can then be handled on an individual basis.

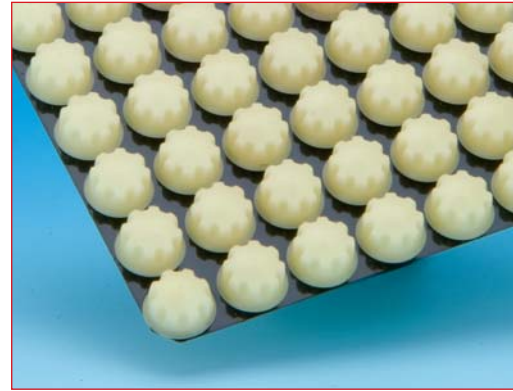


*Committed to Product Excellence
...and Continuous Support*



Economical, Robotic Friendly 96 Well Freeze Drying System with Plastic Vials

For large volume applications where plastic vials can be used, VirTis® has adapted robotic friendly polypropylene vials with a specially configured 96 well aluminum vial holder. Plastic vials in the aluminum holder lyophilize more evenly than standard 96 well plates. The aluminum holder enhances sublimation. Plastic vials are available bar coded and are compatible with LyoCap™ 96 Well Capmat Stoppers.



LyoCap™ 96 Well Freeze Drying Capmat Stoppers

Sealing lyophilized samples under vacuum or inert gas is standard practice but not possible with 96 well plate configurations...until now. The LyoCap 96 Well Capmat Stoppers have the familiar look of microplate capmats but with the added feature of small channels that allow water to escape during freeze drying. LyoCap 96 Well Stoppers are positioned over the vials during freeze drying and then pressed into the vials following the lyophilization cycle. LyoCap 96 Well Stoppers are best used when vials are back filled with inert gas.

Ordering Information

Product No.	Description
446999	Aluminum Microplate Frame–Glass Vials
446995	Glass Vials, 0.5 mL flat bottom
446996	Glass Vials 1.0 mL flat bottom
446997	Glass Vials 1.5 mL flat bottom
446998	Glass Vials 2.0 mL flat bottom
447006	Glass Vial Storage Base Plate
447007	Glass Vial Storage Spacer
447008	Glass Vial Storage Cover Plate
447009	Glass Vial Solid Clear Cover
447000	Aluminum Microplate Frame–Plastic Vials
447001	PP 1.4 mL Tubes Bulk Pack
447002	PP 1.4 mL Tubes Refill Racks
447003	PP 1.4 mL Tubes Boxed
447004	Tubes Storage Box
447005	LyoCap 96 Well Freeze Drying Stoppers



SP Industries

815 Route 208 • Gardiner, NY 12525-5629 USA
 Toll Free: 800.431.8232 • Phone: 845.255.5000 • Fax: 845.255.5338
 e-mail: csvirtis@SPindustries.com • www.SPindustries.com

SP TechCare

Hull

Wilmad | LabGlass

Hotpack

SP Industries Corporate Headquarters:

935 Mearns Road Warminster, PA 18974 USA 800.523.2327 Phone: 215.672.7800 Fax: 215.672.7807 www.SPindustries.com