

/CRYOGENICS



Freeze dryer

USIFROID (Maurepas, France) introduces the BlueLine Freeze Dryer, designed for stoppering bulk product with condenser capacities of 12, 25, or 37 kg. A choice of simple microprocessor or more sophisticated programmable controls is offered. Full-width acrylic doors and a single chassis design are standard for each unit.

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Freezing system

Each of the Planer Biomed (Middlesex, U.K.) Series II, controlled-rate freezing systems consists of a bench-top controller with a separate freeze-chamber module for the programmed transfer of liquid nitrogen. Up to ten programs may be stored, recalled, and edited, and a color printer-plotter gives hard copy graphical records.

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Canisters

Three liquid nitrogen canisters are now available from Taylor-Wharton Cryogenics (Theodore, AL) that offer the storage capacity of square, wide-mouth refrigerators with the lower LN₂ evaporation of small-mouth refrigerators. The 5K, 35VHC-R, and 2K cryostorage canisters, with varying storage configurations, hold from 750 up to 4800 vials.

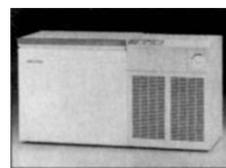
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Cryostorage

The new Ultima -140-150°C Cryogenic Storage Freezer from Revco Scientific (Asheville, NC) features the IntraLogic microprocessor controller, which maintains storage temperature at -140°C and -150°C without using LN₂ vapor to assure that the entire chamber volume is below the glass transition temperature of water. The cabinets are available in 4.5, 6.8, and 10.3 cu. ft. capacities.

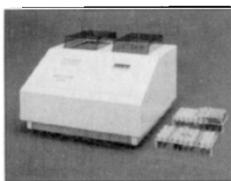
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Small samples

The SCH2 Cryo-Store from Stuart Scientific (Surrey, U.K.) allows for small samples to be rapidly frozen at the bench-top without dry ice. One chamber in the cabinet is maintained at least 50°C below the ambient temperature for cooling, and the other chamber at ambient temperature for sample thawing. Three Perspex tube racks are included.

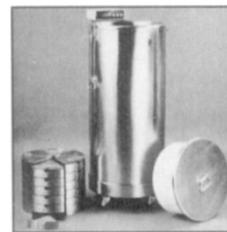
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Bio freezer

The Cryobiological Freezer with Automatic Fill from Andonian Cryogenics (Newtonville, MA) has an automatic fill system that activates a solenoid valve and has a remote alarm. Additional safety features prevent overflow. A variety of inventory systems are available for placing in the freezer, including customized drawers and canisters.

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