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LiCONiC Instruments

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HibernX Series Product Overview

The new HibernX series is the world’s first fully automated storage system specifically designed for long-term storage of frozen plasma and reaches temperatures as low as -30°C or -40°C depending on local requirements. The demand for long-term storage and convenient access to stored plasma led to the development of this revolutionary instrument. The HibernX system perfectly suits the requirements of blood establishments of different types: blood donation centers, plasma collection centers and hospital blood banks.

The HibernX system now allows quick and simple storing of plasma units in PVC bags. The system’s automation fully supports as well as batch sample handling.

Main Features

- Long Term Plasma Storage at -30°C or -40°C
- Fully Automated Storage and Retrieval Process
- High Throughput Batch and Single Access
- Flexible Capacity and Configuration
- Optional Module for Storage of Archival Samples
- Convenient Access to Plasma Bags from >0°C Environment
- Best Temperature Uniformity and Stability
- Unique Compact Shelf Design
- Energy Efficient Refrigeration

RBB Capacities

The system’s flexibility allows a storage layout to fit the exact number of plasma units needed by the specific application and space available at the institution. Capacities may range from being able to process 10,000 samples to over 200,000 samples, assuming plasma bag sizes of 300 ml. HibernX can also be used for the storage of plasmapheresis units of 600 to 800 ml, as well as pediatric doses of 100 ml, or any combination of the types.

RBB Storage Conditions

Liconic’s unique chest freezer design naturally creates two important benefits:

1) Two climate zones, one for active components at -30°C another for passive elements at -40°C
2) Stable horizontal temperature layers in DF storage area.

Space Efficiency

The HibernX Series Automated Blood Libraries make best use of given room constraints by:

- “Built to space” modular design.
- System size and layout tailored to needs and workflow requirements.

Options & Accessories

- Flexible Plasma Bag Volumes
- Configurable to Room Constraints
- Color Interface
- External Database Integration
- Remote Monitoring
- Internal Vision System
- Multi Bag Picker
- RFID Integration
- Redundant Refrigeration
- Dynamically Configurable Storage Cassettes
- External Interface Station

Intuitive Software

- Graphical Job Creation for Import/Export of Samples
- Easy Search of Samples by Donation ID, Quarantine Status, etc.
- Complete Audit Trail
- Automatic Inventory Deregistration
- Automatic Data Back-up
- Integration to LIMS Database
- Web Interface
- Mobile Device Control
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Temperature uniformity and stability is ensured by an energy efficient redundant refrigeration system that contains a CO2 back up system to safeguard the environment for the frozen plasma.

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HibernX Series - Automated Blood-Libraries

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