

# Improve your storage of biologicals with an upright Cryometrix liquid nitrogen freezer

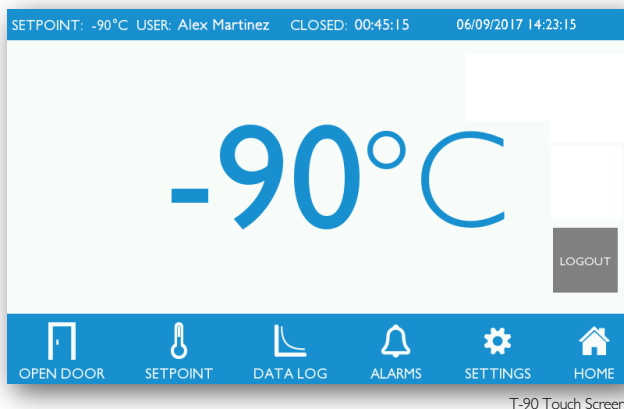
## Combine long-term preservation of frozen materials with easy access and cost-efficiencies

Now your laboratory can have the best of both worlds in cryopreservation: the reliable, uniform performance of liquid-nitrogen freezing and the convenience of an upright design.

The Cryometrix T-90 freezer uses a patented, contained liquid nitrogen system to achieve accurate temperatures in a fraction of the time and cost. This system circulates the cold LN2 within the walls of the freezer, keeping the contents frozen while preventing direct exposure to users.

By eliminating the need for a compressor, the Cryometrix T-90 freezer dramatically reduces your costs for energy. Zero heat exhausted to the room means further power savings for the air conditioning systems.

The complex refrigeration systems utilized by mechanical freezers require costly maintenance and repairs. Mechanical freezers average about five years of service life - with increased risk of failure as they age. The simple and robust cryogenic refrigeration system of the Cryometrix T-90 freezer enables it to perform dependably for years beyond today's mechanical freezers, which is why Cryometrix offers the industry's longest warranty, 20-year coverage on the cooling system.



### Versatile, consistent freezing capabilities

- Temperature adjustable from +20°C to -90°C
- Temperature uniformity  $\pm 3^{\circ}\text{C}$  throughout
- Rapid temperature recovery after opening
- Built-in data logging and security for 30 users
- 100% stainless steel construction
- 20-year warranty on cooling system
- Ambient to -80°C in less than 1 hour
- 72,000 2ml vial capacity

To identify the best frozen storage options for your precious biospecimens, simply contact Cryometrix today.



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# Consider the many advantages of a Cryometrix T-90 freezer

Enjoy the efficiency of easy-to-reach samples with reliable ultra-low temperature performance.

The Cryometrix T-90 freezer offers valuable benefits for everyone involved in your sample storage process. Lab personnel get the time-saving convenience of upright storage and easy access, while the overall organization gains the economic and sustainability advantages of greatly reduced energy usage. The benefits extend to the eventual users of the frozen materials themselves, as the Cryometrix freezer minimizes the risk of sample warming and quality deterioration due to door open-close events and freezer breakdown.

FEATURES	BENEFITS
Compressor-free, liquid nitrogen freezing	<ul style="list-style-type: none"> <li>Minimizes service interruptions/downtime</li> <li>Uses up to 90% less energy than mechanical units</li> <li>Fastest door open recovery in industry</li> <li>Reduces need for maintenance or repairs when compared to mechanical freezers</li> <li>No HVAC required</li> <li>No refrigerant chemicals, oils, or CFCs</li> <li>Completely silent operation</li> </ul>
Upright 100% stainless steel interior & exterior	<ul style="list-style-type: none"> <li>Fast, convenient access to stored materials</li> <li>Easy cleaning and sterilization</li> </ul>
Secure, programmable controls with touch-screen interface	<ul style="list-style-type: none"> <li>Simplifies management, security, monitoring freezing processes and user operation logging.</li> </ul>
Reliable Backups	<ul style="list-style-type: none"> <li>Optional Battery Backup allows normal freezer operation for up to 7 days upon loss of power</li> <li>Emergency manual LN2 valve allows freezer to run without any power until LN2 is depleted</li> <li>Dual LN2 valves ensure further reliability</li> <li>Downloadable Temperature, Alarm, &amp; User Log</li> </ul>



## Dimensions

- Exterior: Height 86 in. x depth 42 in. x width 48 in.
- Interior: Height 60 in. x depth 28 in. x width 34.5 in.
- Can be placed against wall, no ventilation space needed
- Less than 6" of space required between units to allow for door swing

## Capacity

- Holds up to 72,000 vials (1.2-2 mL, internally threaded)
- Custom shelving\* configuration adjustable every 0.5"
- 33.5 cubic feet interior capacity
- Each shelf can hold 6 racks x 5 boxes deep (standard 100 vial box)

\*T-90 comes standard with 3 shelves

## Trust Cryometrix for your biorepository needs

Cryometrix offers a comprehensive array of cryogenic storage freezers, ultra low temperature freezers, shipping containers, and transportation refrigeration units. Our business is making things cold. Cryometrix freezing, cooling and refrigeration products use a revolutionary liquid nitrogen technology. Why liquid nitrogen? No compressors, no CFC's, low energy usage and greatly reduced maintenance. Want to reduce your cooling costs while improving performance? Contact Cryometrix and we will show you what we can do.