

CRYOMETRIX® B-90

Blast/Thaw Freezer

Blast freeze your products faster than you ever imagined possible.

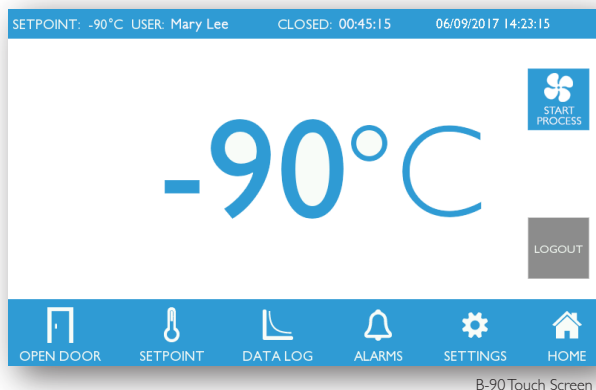
Increase your throughput by more than 800% with the Cryometrix B-90.

The Cryometrix B-90 freezer features a patented cryogenic blast freezing/thawing technology to achieve accurate, ultra-low temperatures in a fraction of the time that a mechanical freezer would take. Try getting down to -50°C in less than 10 minutes with any other freezer!

In 2016, the B-90 was validated by a large American blood bank and it increased their throughput by eight times! They replaced two large mechanical blast freezers (along with a large roof-top compressor) with just one Cryometrix B-90.

By eliminating the need for a compressor, the Cryometrix B-90 dramatically reduces maintenance costs due to the simple design that has very few moving parts. The liquid nitrogen cooling is all self-contained, so there is no exposure to the user or the products.

The B-90 features state-of-the-art temperature and data logging which can be easily accessed through the touch screen or downloaded to your computer. With up to 30 users and 3 security levels, you can easily control who can open the freezer, change the setpoint, and make adjustments to the settings.



Blast freeze and thaw your products with ease

- Temperature adjustable from $+40^{\circ}\text{C}$ to -90°C
- Temperature uniformity $\pm 3^{\circ}\text{C}$ throughout
- Built in thawing capabilities
- Built-in data logging with up to 30 users
- 100% stainless steel construction
- 20-year warranty on cooling system
- Optional battery backup
- Emergency LN2 valve (no direct LN2 exposure)

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



801.226.4100



info@cryometrix.com

Consider the many advantages of a Cryometrix B-90 Blast freezer

Enjoy the efficiency of easy-to-reach samples with reliable blast freezing and thawing.

The Cryometrix B-90 freezer offers valuable benefits for everyone involved in your freezing processes. Lab personnel get the time-saving convenience of upright storage and easy access, while your overall freezing process gains efficiencies which will greatly increase your throughput and lower your production time. Contact us to receive data for blast freezing times for your specific application. We can help you configure the best setup in order to get you the most throughput.

FEATURES	BENEFITS
Compressor-free, liquid nitrogen freezing	<ul style="list-style-type: none"> Minimizes service interruptions/downtime Uses up to 90% less energy than mechanical units Fastest freeze times in the industry Reduces the need for maintenance or repairs when compared to mechanical freezers No HVAC required No refrigerant chemicals, oils, or CFCs Completely silent operation
Upright 100% stainless steel interior & exterior	<ul style="list-style-type: none"> Fast, convenient access to stored materials Easy cleaning and sterilization
Secure, programmable controls with touch-screen interface	<ul style="list-style-type: none"> Simplifies management, monitors freezing processes and logs user operations
Thawing Capabilities	<ul style="list-style-type: none"> Easy thawing setup so you can warm your product to temperatures up to 40°C
Reliable Backups	<ul style="list-style-type: none"> Redundant LN2 valves ensure further reliability Downloadable Temperature, Alarm, & User Log



Exterior Dimensions

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

Capacity

- Payload Bay: Height 60 in. x depth 23.75 in. x width 31.5 in.
- 26 cubic feet interior capacity
- Custom shelving* configuration adjustable every 0.5"

*B-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 patented 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.