

CELL-FREEZE®

Cryogenic Storage Container

Charter Medical's Cell-Freeze® cryogenic storage containers are designed for storage, preservation and transfer of peripherally derived stem cell applications.

Cell-Freeze® Design offers:

- Unique bag film container material remains flexible at ultra low temperatures (-196°C).
- Proprietary membrane port design and attached cap minimizes exposure
- Attached label offers ease of use and traceability in labeling

Cell-Freeze® Features:

Polyolefin Film

Specifically selected for its low temperature properties while maintaining flexibility and clarity when filled with liquid.

Membrane Port

The attached cap snaps into place to protect the contents and minimize exposure during use.

Attached Label

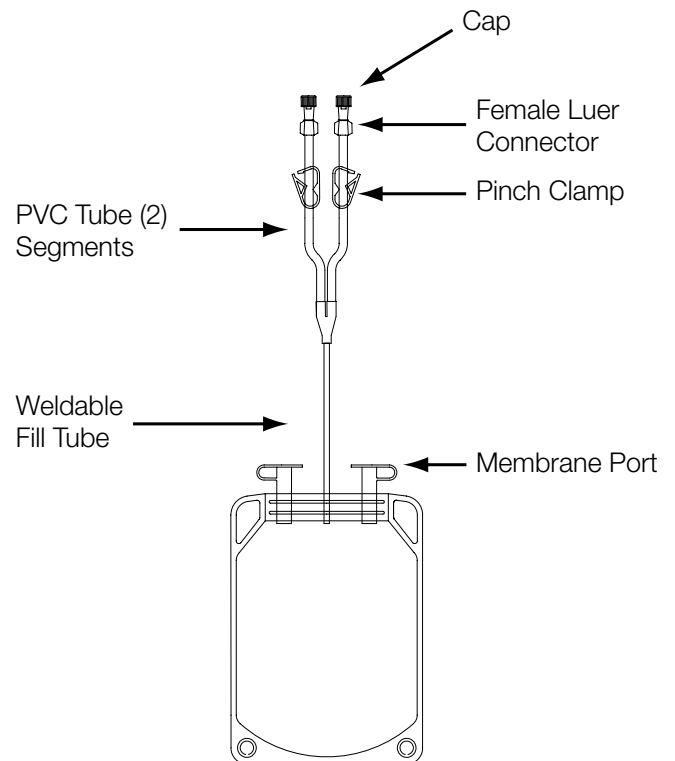
Supports adherence of computer generated labels and allows manual data area. Critical information can be viewed quickly by simply opening the freezing cassette.

Weldable Fill Tube

The unique manufacturing method used to secure the fill tube to the container body eliminates the need for pvc interfaces with the liquid nitrogen storage section of the container.

Interface/Connectors

Compatible with sterile connection technology and smart seal technology (Sebra® Model 1100 tube welder). Fits in a variety of freezing cassette systems.



CharterMedical

Charter Medical, Ltd.
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CELL-FREEZE® Products

Catalog #	Description	# in Case
CML-50N	30-60 mL Cryogenic Storage Containers	40
CML-75LN	60-90 mL Cryogenic Storage Containers	40
CML-100LN	70-125 mL Cryogenic Storage Containers	40

All individually packaged in Tyvek.®

CELL-FREEZE® Accessories

Catalog #	Description	# in Case
BIOCAN100	Freezing Cassette 70-125 mL	Each
BIOFRAME100	2-Place Freezing Frame for 70-125 mL cassettes	Each

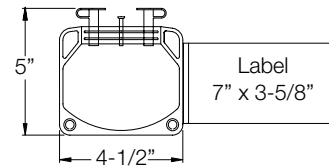
Physical Integrity

The physical integrity of the containers were evaluated for their ability to withstand temperature variations experienced during routine storage of hematopoietic cell products. All containers passed the physical integrity tests performed, which included the initial pressure test and leak tests and the microbial challenge and dye immersion tests.

Cell Quality

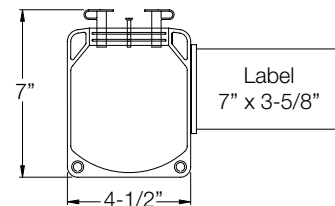
Cell quality was assessed on Cell-Freeze® cryogenic storage containers using diluted HPC and 10% DMSO. All containers met the acceptance requirement for MNC and CD34+ cell recovery of $\geq 70\%$ relative to cell counts of the sample before cryopreservation. The average of MNC and CD34+ cell recoveries were 81% and 84%, respectively. All containers met ≥ 1 CFU acceptance criteria with an average of 78% recovery.

CML50LN



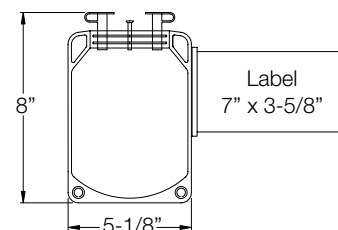
Fill volume 30-60 mL

CML75LN



Fill volume 60-90 mL

CML100LN



Fill volume 90-125 mL

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CML 350-A