Celltrio MC26 9K to 117K-Vial Cryo-Freezer Solutions

The Celltrio MC line of liquid nitrogen (LN2) freezers provides proven cryogenic -195 °C storage solutions that are perfect for R&D, biobanking and cell culture applications. All are easily expandable to multi-freezer configurations under Celltrio SkyView Enterprise software control, and fully automated robotic Celltrio RC solutions for high volume testing and production. This data sheet provides technical information on the 26K vial capacity Celltrio MC26, but is applicable to the entire Celltrio MC freezer line, from 9K to 117K vial capacity.
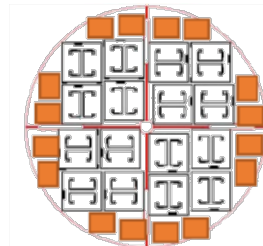
Celltrio MC26 Storage Tank Dimensions	Overall Height	1400 mm
	Inner Diameter	864 mm
	Outer Diameter	970 mm

Storage Capacity	Number of Vials (1.2ml or 2ml internal threaded)	26,000
	Number of Racks	16 of 100 Vials/Box and 16 of 25 Vials/Box
	Number of Boxes per Rack	13

LN2 Capacity	Total LN2 Capacity	550 liters
	LN2 under turntable Capacity	69 liters

Celltrio Systems Controller	Touchscreen User Interface	7" Panel
	Windows 10 Operating System	Ethernet, RS-485
	Battery Backup	12V, 7Ah, 36 hours
	Power	AC 110/230V, 6A, 50/60Hz

Other	Storage Temperature	-195°C
	Vacuum insulating provides significant reduction in LN2 supply needs.	5 years warranty

Celltrio MC models available from 9,000 to 117,000 vial capacity

All Celltrio freezers include proprietary management software systems and are upgradeable to fully automated versions with our Celltrio RC solutions.

Celltrio MC26 Sample Layout
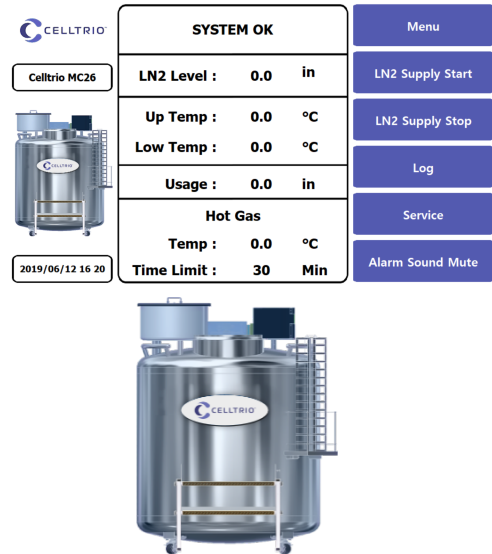
Celltrio MC Family Features:

- Powerful Celltrio Systems Controller with 7" touchscreen
- Inventory management system (Celltrio SkyView) with barcode reader option
- Ergonomic design for ease-of-use and easy maintenance

Celltrio SkyView

All Celltrio MC freezers include Celltrio SkyView software, a Windows 10-based user interface that is immediately familiar and easy to use. Celltrio SkyView provides inventory management and monitoring for temperature, LN2 level, LN2 usage, alarm status, operation status, and much more. And, it can be set to automatically maintain a specified LN2 level, or schedule a date and time to initiate a fill that automatically stops at the preset target fill level.

Primary Functions:

➢ Powerful graphical user interface
➢ User LIMS interface
➢ Event data log for traceability (can be exported)
➢ Central monitoring system interface
➢ Inventory management system
➢ Barcode reader option
➢ User management for secure access
➢ Alarms for safety, temperature & LN2 level
➢ Automatic LN2 supply control

Celltrio SkyView Enterprise

Performs all the functions of Celltrio SkyView for *multiple* freezers. Celltrio SkyView Enterprise can automatically control the main LN2 supply with branches to numerous lines of freezers.

Primary Functions:

➢ Powerful graphical user interface
➢ Multiple freezer monitoring: MC & RC
➢ Display status and inventory for all freezers
➢ Send text messages for alarm conditions
➢ Additional freezers can easily be added
➢ User management for secure access
➢ Event data log for traceability (can be exported)
➢ Controls LN2 supply to multiple lines of freezers
➢ User LIMS Interface