



Medium Sized Controlled Rate Freezer

Kryo 570 & 570-ART

A gold standard in the cryopreservation of bone marrow, cord blood and cells: the Kryo 570 is the tool of choice to ensure the best possible clinical outcome.

Whether you wish to freeze 2,900 straws or 48 PALL bags, the Kryo 570 provides a reliable, robust solution.

This top opening programmable freezer is simple to programme and operate, but flexible enough to offer multiple protocols.

Batch freezing is possible using our DeltaT software. Large sample numbers can be deposited in different machines with the subsequent freezing profile for all samples being displayed on the same graph.

The MR7 controller offers password-controlled access on multiple user levels. Updates and alerts are emailed via WiFi to provide peace of mind and unlimited freezer profile storage enabling the operator to select optimum processing conditions.

Security and safety is of paramount importance. There is password controlled multiple level user access, plus safety features to protect against power and PC failure.

Flexibility - accommodates straws, vials or blood bags.

User assurance - an approved and proven Medical Device

QA - internal support with password protection, reporting and temperature graphs

Scalable - option to control multiple chambers via one interface (batch freezing)

Post thaw viability up by 20% compared to non-dynamic freezing methods

To get further information or optimise freezing profiles? Contact us.



**Medium Sized
Controlled Rate Freezer
Kryo 570**

SYSTEM SPECIFICATION

Range	+30 °C to -180 °C
Heating Rate	0.01 °C /min to 10 °C /min
Cooling Rate	-0.01 °C /min to -50 °C/min
Controller Accuracy	±(0.3 + 0.005 x TM) °C (where TM is the magnitude of the temperature)
Storage Temperature	-10 °C to +50 °C
Storage Humidity	5 % to 95 % relative humidity non-condensing
Operating Temperature	5 °C to 40 °C
Operating Humidity	5 % to 90 % relative humidity non-condensing
Sound Pressure Level	<70 db (A)

CONTROLLER SPECIFICATION

Dimensions (H x W x D)	134 mm x 242 mm x 60 mm
Weight (approx.)	2.4 kg
Display	7" TFT LCD - 800 x 480 pixels
Reporting	Digital reporting, automatic filing to any network via Wi-Fi
Keypad	Resistive touchscreen
Programmable Cooling Rate Range	-0.01 °C /min to -99.9 °C /min
Number of Profiles	Unlimited*
Steps per Profile	32
Number of Stored Runs	Unlimited*

CHAMBER SPECIFICATION

Weight	23 kg
Capacity and Dimensions (H x W x D)	16 L Internal 350 mm x 230 mm x 230 mm External 515 mm x 670 mm x 500 mm
0.25 ml Straws	2904 on canes or 456 on racks
0.5 ml Straws	968 on canes or 456 on racks
Vials	784 x 1.0 ml - 2.0 ml or 244 x 5.0 ml
Blood Bags	22 x 50 ml or 11 x 250 ml - 500 ml
PALL Bags	22
Power Requirements	115 V~ 50/60 Hz 1500 VA / 230 V~ 50/60 Hz 1500 VA

RECOMMENDATION OF ADDITIONAL EQUIPMENT

5 psi System	System Pump - LNP4-C System Dewar - MVLAB 30
22 psi System	System Cylinder - MVEUROCYL230SB Phase Separator - MVPHASE
22 psi System (alternative)	Vacuum Jacketed Pipe Work System

* SD Card has 8GB storage, enough for 6 million of profiles or 80,000 kryofiles.

Specifications may change without notice. Third party trademarks acknowledged.

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