

Planer Kryo 570

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.

PRODUCT SPECIFICATIONS

- 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



The Kryo 570 is used for pre-freezing specimens before liquid nitrogen storage in applications such as:

- Biobanks
- Cell Based Research
- Biotech Areas
- In Vitro Fertilisation – Human and Animal
- Human and animal IVF
- Blood and tissue Banks
- Biorepositories
- Regenerative Medicine

MODEL

Kryo 570

SYSTEM SPECIFICATION	
Range	+30 °C to -180 °C
Heating Range	0.01 °C /min to 10 °C /min
Cooling Range	-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	32 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 600 VA / 230 V- 50/60 Hz 600 VA
RECOMMENDATION OF ADDITIONAL EQUIPMENT	
The planer CRF controls temperature by injecting pressurised LiN into the chamber, so you also need a liquid nitrogen pressure vessel with the Planer CRF's.	

* SD Card has 8GB storage, enough for 6 million of pro-les or 80,000 kryo-les.
Specifications may change without notice. Third party trademarks acknowledged.