

Planer Kryo 370

Controlled temperature reduction prevents the formation of lethal intracellular ice: the Kryo 370 significantly improves viability yield post-thaw and is ideal for small sample sizes.

Accurate control, safety features and sample history data logging make these freezers world-class leaders. The Kryo 370 range is simple to programme and operate, with the controller displaying demand, sample and chamber temperatures. Whether you wish to freeze up to 60 straws or 45 vials, the freezers produce repeatable, consistent results with easy data recording thanks to PC comms port. 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 new 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. Additional safety features have been fitted to help protect against power and PC failure.

PRODUCT SPECIFICATIONS

- Optimised for different cell types user definable freezing profiles
- Assured cryopreservation inbuilt alarms and user notifications
- QA support password protection, reporting and temperature graphs
- Flexible design horizontal or vertical freezing options
- Post thaw viability up by 20% compared to non-dynamic freezing methods



The Kryo 370 is used for pre-freezing specimens before liquid nitrogen storage in applications such as:

- In Vitro Fertilisation – Human and Animal
- Assisted Reproduction
- Ovarian Tissue Freezing
- Embryo, Sperm and Oocyte Freezing
- Tissue Preservation
- Cell Line Freezing
- Veterinary Breeding
- Animal Husbandry

MODEL

Kryo 370

SYSTEM SPECIFICATION	
Range	+40 °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 °C measured on a hold at 0 °C
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	16 kg
Capacity and Dimensions (H x W x D)	1.7 L Internal 200 mm x 150 mm diameter External 420 mm x 300 mm x 520 mm
Straws	60 x 0.25 ml 45 x 0.50 ml
Vials	45 x 2 ml 30 x 5 ml
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.