



## Compact Controlled Rate Freezer

### 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 30 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.

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

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



# Compact Controlled Rate Freezer Kryo 370

## SYSTEM SPECIFICATION

Range	+40 °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 °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	30 x 2 ml
Power Requirements	115 V~ 50/60 Hz 600 VA / 230 V~ 50/60 Hz 600 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 Phase Separator - MVPHASE

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

Specifications may change without notice. Third party trademarks acknowledged.

Ai206/V1



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