

## Planer Kryo 360 Controlled Rate Freezer

The Kryo 360 is a medium capacity Controlled Rate Freezer is used for pre freezing specimens before liquid nitrogen storage in applications.

Rating: Not Rated Yet

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Manufacturer [Planer](#)

Description

- [Description](#)
- [Features](#)
- [Specifications](#)

### Description

The Kryo 360 Controlled Rate Freezer is used for pre freezing specimens before liquid nitrogen storage in applications such as:

- In Vitro Fertilization - human and animal
- Assisted Reproduction
- Ovarian Tissue freezing
- Embryo, Sperm and Oocyte freezing
- Animal husbandry
- Tissue preservation
- Cell line freezing

**The Kryo 360 is a medium capacity controlled rate freezer: ideal for an IVF, ART or research laboratories.**

Menu driven with fast cooling rates, controlled heating and multiple safety features.

Repeatability, consistent results and data recording are available from this reliable system used to freeze biological samples prior to long term cryo storage.

The equipment has multiple safety features, has data printing via its integral printer and allows multiple protocols. Controlled freezers give consistent results with validated high post thaw viability.

Also available in a non Medical Device version

**Benefits:**

# Controlled Rate Freezers: Planer Kryo 360 Controlled Rate Freezer

- Simple to use through easy menus
- Safety records: 'Run' print out available
- User can define Horizontal or Vertical freezing
- Warming ramps are controlled
- Recording assists validation processes
- User changeable protocols allow technique updates
- PC failure accommodated – when running with software
- The -180°C end temperature helps sample integrity during transfers

## Features

Controlled heating	Chamber volume: 1.7 or 3.3 litres
Copes with temporary power/system outs	Lower temperature limit: -180 °C
User calibration with hard copy	Cooling rates: -0.01 to -50 °C/min
PC connection compatible	Controlled heating rates: 0.01 to 10 °C/min
Time and date stamping	System controller: Planer's MRV controller
Programme preview before run	Delta Lite Software (Upgrades: V6/V7)
Control and data systems separated	Data storage and run are independent
Straw capacity: 60 x 0.25 ml or 45 x0.5ml	Vial or ampoule capacity: (30 or 60) x 2 ml
Straws in 15 positions radially located	Viols in 15 positions radially located

## Specifications

<b>System Specifications</b>	
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	-110°C to +5°C
Storage humidity	5% to 95% relative humidity non-condensing
Operating temperature	5°C to 40°C
Operating humidity	5% to 95% relative humidity non-condensing
<b>Controller Specifications</b>	
Dimensions	80mm high x 220mm wide x 350mm deep
Weight (approx.)	2.6 kg
Display	240 x 64 LCD with CCFL backlight
Printer	320x640 dot thermal printer
Keypad	20 key membrane keypad
Programmable Cooling Rate Range	-0.01°C/min to -99.9°C/min
Number of profiles	15
Steps per profile	32
Number of stored runs	10
<b>Chamber Specifications</b>	
Weight (kg)	14.4kg (1.7 Liter) or 14.7kg (3.3 Liter)
Chamber dimensions	1.7 L chamber: Internal 200mm x 150mm diameter External 450mm high x 300 mm wide x 420mm deep 3.3 L chamber: Internal 400mm x 150 mm diameter External 450mm high x 300mm wide x 420mm deep
0.25 ml straws	60 (1.7 L and 3.3 L chamber)
0.5 ml straws	45 (1.7 L and 3.3 L chamber)
2 ml vials	30 (1.7 L chamber) or 60 (3.3 L chamber)
Power requirements (including MRV Controller)	110V- 50/60Hz 600VA / 230V- 50/60Hz 600VA
<b>Additional Equipment Recommendations</b>	
5 psi System	System Pump - LNPE-C
	System Dewar - MVUAB-30
22 psi System	System Cylinder - MVEUROCYL2305B
	Phase Separator - MVPHASE
22 psi System (alternative)	Vacuum Jacketed Pipe Work System
	Phase Separator - MVPHASE

## Reviews

There are yet no reviews for this product.