

Planer Kryo 560 Controlled Rate Freezer

The Kryo 560 is a medium payload controlled rate freezers is ideal for the precision freezing down of vials, straws and blood bags by cell researchers, biologists and medical practitioners in areas such as stem cell, blood products and tissue technologies.

Rating: Not Rated Yet

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Manufacturer [Planer](#)

Description

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

Description

The Kryo 560 is a medium sized controlled rate freezer with sample capacity sufficient for a busy laboratory.

Simple to program and easy to operate.

This rugged and reliable controlled rate freezer has a top opening chamber, a lid that is warmed to prevent freezing shut at cryogenic temperatures plus the unique forced laminar flow pattern ensuring excellent temperature control in all phases of the protocol. Planer's MRV Controller system offers multiple protocol availability.

The -180°C end temperature ensures sample integrity during transfer to storage at liquid nitrogen temperatures whilst the flexibility of the system, including protocol stage transition based on sample or chamber temperature or time, is ideal for the more demanding protocols associated with advanced cryo-preservation techniques.

Benefits:

- Freezes samples in bags, vials and straws
- Validation offered via Controller password controlled access on multiple user levels
- Menu driven controller, simple to operate
- Displays demand, sample and chamber temperatures
- Displays alphanumerically and graphically via an easy view display
- Trigger on sample, time or temperature
- Top opening chamber; lid is kept warm to prevent freezing shut at cryogenic temperatures
- Run print out via integral full view printer
- Time and date stamping, programme preview/verification before running

Features

- Chamber volume: 16 litres
- Capacity: 11 x 250/500/750ml bags, horizontally or vertically in chamber
- 48 x 25ml PALL bags
- Vial or ampoule capacity: 726 x 2ml in baskets
- Straw capacity: 608 x 2ml on canes (horizontal)
- Lower temperature limit: -180°C
- Cooling rates: -0.01 to -50°C/Min
- Controlled heating rates: 0.01 to 10°C/Min
- Controlled heating; start above ambient
- Data Printing (integral printer); Comms port for PC connection
- System controller: Planer's MRV
- System Pump: Planer's LNP4
- System Dewar: Chart LAB 30
- PC Software: Includes Planer's DeltaT Lite (Upgradable to Planer's DeltaT)

Specifications

System Specifications	
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	±0.5 + 0.005 x TM°C (TM = Temperature Magnitude)
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
Controller Specifications	
Dimensions	80mm high x 220mm wide x 450mm deep
Weight (approx.)	2.8 kg
Display	240 x 64 LCD with CCFL backlight
Printer	320/640 dot thermal printer
Keypad	20 key membrane keypad
Programmable Cooling Rate Range	-0.01°C/min to -99.9°C/min
Number of profiles	10
Steps per profile	32
Number of stored runs	5
Chamber Specifications	
Weight (kg)	23kg
Capacity	16 Litres
Chamber dimensions	350mm high x 230mm wide x 230mm deep
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 1.0ml - 2.0ml or 244 x 6.0ml
5ml blood bags	22
250ml - 500ml blood bags	11
PALL Bags	22
Power requirements (including MRV Controller)	115V- 50/60Hz 1500VA / 230V- 50/60Hz 1500VA
Additional Equipment Recommendation	
9 psi System	System Pump - LNP4-C System Dewar - MVLAB 30 or GDB35
22 psi System	System Cylinder - MVEUROCYL2-05B Phase Separator - MYPHASE
22 psi System (alternative)	Vacuum Jacketed Pipe Work System

Reviews

There are yet no reviews for this product.