



Kryo 250 - 1.7



Planer Kryo 250 - 1.7 is an entry level biological freezer utilizing Planer state of the art Focus Control Technology.

- Designed for freezing of simple cells and sperm in straws and ampoules
- Single factory programmed protocol
- One button operation
- Controller displays sample and chamber temperatures alternately via selector button
- Compact Design
- Horizontal or vertical operation

The **Planer Kryo 250 - 1.7** is introduced as an **entry level biological freezer**, designed to be simple to operate for use in laboratories where routine and undemanding cryopreservation procedures are required.

The integrated Focused Control Technology provides secure and accurate profile control. This ensures that even when connected to a host PC, the freezer control remains unaffected by any failures that may occur on the external computer or network. The controller includes protection against short term power failures.

The unit is supplied from the factory ready programmed with a protocol pre-defined by the user and is operated via a simple start/stop button.

PC Connection compatible with our comprehensive Delta T™ software application is standard and **calibration by the user is enabled**.

SPECIFICATION OVERVIEW

- Chamber volume: 1.7 litres
- Straw capacity: 60 x 0.25ml straws in 15 positions radially located
- Ampoule capacity: 30 x 2ml ampoules in 15 positions radially located
- Lower temperature limit: -140°C
- Cooling rates: -0.01 to -50 °C/min
- System controller: PID
- System Pump: LNP4
- System Dewar: LAB 20/30
- PC Software: Delta T

Specification details for

System specifications

Range	+40 °C to -140 °C
Heating rates	not applicable
Cooling rates	-0.01 °C to -50 °C
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

Controller Specifications

Dimensions	400 mm high x 100 mm wide x 250 mm deep
Weight	5 kg approx.
Display	3.5 digit LCD to show Chamber and Sample temperature
Keypad	3 key membrane keypad
Programmable cooling range	-0.01 °C/min to -99.9 °C/min
Number of profiles	1
Steps per profile	32
Number of stored runs	1 - compressed backup
PC Interface	RS232

Chamber Specifications

Weight	14.4 kg
Capacity	1.7 litres
Dimensions	Internal 200 mm x 150 mm diameter External 450 mm high x 300 mm wide x 420 mm deep
0.25ml straws	60
0.5ml straws	45
2ml ampoules	30
Power requirements	115 V~ 50/60 Hz 600 VA 230 V~ 50/60 Hz 600 VA

Sales Specification Kryo250-1.7 Controlled Rate Freezer : SPC-NPAN-5ZJFC8 Issue 1
Planer plc reserve the right to change the specifications without notice. E & O excepted.