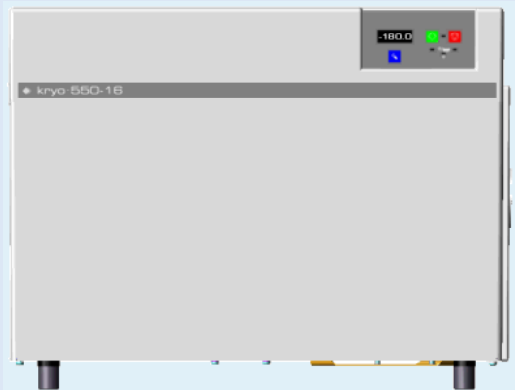




Kryo 550-16

Integrated 16 litre controlled rate freezer



The *Kryo 550-16* is a fully featured tissue bank freezer for the cryopreservation of bone marrow, stem cells, skin, cord blood and other critical high volume samples.

With integrated *Focused Control Technology*, freezing accuracy and the security of your freezing profile is ensured.

The *Kryo 550-16* incorporates all of the critical features expected from a high specification biological chamber. The system is specifically designed and specified for human work. The -180°C to $+40^{\circ}\text{C}$ temperature range allows flexibility for a wide range of applications and protocols. The -180°C end temperature ensures the sample integrity while transferring to long term storage.

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 an external computer or network. The controller includes protection against short term power failures.

PC connectivity is provided by an RS232 connection providing profile editing, real-time run graphs and PC storage of run data via the *DeltaT* application. Calibration and Qualification tools can also be provided when connected to *DeltaT-iQ*.

The *Kryo 550-16* is designed to heat and cool samples along user-defined temperature-time profiles. The suitability or clinical effectiveness of any specific protocol or procedure is not endorsed or implied.

- Integrated compact design
- *Focused Control Technology*
- 16 litre chamber
- Bag capacity: 11 x 250/500 ml horizontally or vertically.
- Ampoule capacity: 726 x 2ml ampoules in baskets
- Straw capacity: 608 x 2ml on canes horizontally
- Lower temperature limit: -180°C
- Cooling rates: -0.01 to $-50^{\circ}\text{C}/\text{Min}$
- Controlled heating rates: 0.01 to $10^{\circ}\text{C}/\text{Min}$
- PC Software: *Delta T* and *DeltaT-iQ*

Specification details for Kryo 550-16 Integrated 16 litre controlled rate freezer

System specifications

Range	+30.0 °C to -180 °C
Heating rates	0.01 °C/min to 10 °C/min
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

Chamber Specifications

Dimensions	Internal 320 mm high x 230 mm wide x 230 mm deep External 470 mm high x 650 mm wide x 450 mm deep
Capacity	16 litres
0.25ml straws	608 horizontal, 250 vertical
0.5ml straws	608 horizontal
2ml ampoules	726
50 ml blood bags	22
250 ml blood bags	11
500 ml blood bags	11
Weight	29 kg
Display	3.5 digit LCD
Keypad	2 key Run/Stop keypad
Programmable cooling range	-0.01 °C/min to -99.9 °C/min
Power requirements	115 V~ 50/60 Hz 1500 VA 230 V~ 50/60 Hz 1500 VA

PC Connectivity

RS232	For connection to <i>DeltaT</i> and <i>DeltaT-iQ</i>
Optional 10 Base T	<i>kryo-connect</i> module. Please contact Planer plc for details

Sales Specification Kryo 550-16 Integrated 16 litre controlled rate freezer: SPC-SBUR-5NWCADa Issue 4
Planer plc reserve the right to change the specifications without notice. E & O excepted.