

DryChill™ Operational Manual

The Benchmark Scientific DryChill™ Ice-Free Cooling Box is a cooler that is used to keep samples in common laboratory tubes at consistent low temperature without electrical components or the use of ice. The cooler consists of hard plastic insulated container, aluminum tube block, and cooling core which prevents condensation while providing stable cooling. For use in a wide variety of biological research and short term sample storage.



Cat No.	Capacity	Cooling Duration (mins.)	
		~4°C	4 ~ 8°C
DC9602	96 x 0.2ml tubes	210	300
DC4020	40 x 1.5/2.0ml tubes	180	300
DC1215	12 x 5/15ml tubes	60	150
DC0650	6 x 50ml tubes	80	150

Material Specification

Part	Materials
Outer casing	ABS Plastic
Block	Aluminum
Cooling Core	ABS Plastic Type of Refrigerant – Polyacrylate
Block Cover	ABS-Plastic

Caution before use!

- **Do not use in hot conditions!**
- It is recommended to clean the block surface bores with 90% ethanol.

Directions for use

- Place cooler in a freezer (-20°C) for 6+ hours.
- After removing from freezer, leave at room temperature (15 ~ 25°C) for approximately 20~30 minutes.
- To ensure a safe temperature before putting your sample into the cooler, it is recommended to confirm the temperature of the block with a thermometer to avoid sample freezing.

Temperature Indicator

- The onboard visual temperature indicator changes based on the chart to the right.

