

CryoLogic Chambers

A range of **FREEZE CONTROL®** cryochambers are available; each is designed to accommodate particular specimen containers. Cryochambers provide easy access during loading, manual seeding, inspection, and removal of specimens.

Fast 60 Ampoule
Cryochamber



Standard or fast models can be selected to suit different applications, with cooling rates appropriate for most user protocols. Cooling rates from 0.01°C/min can be specified, and temperature can be held at any point in the control range. Cryochambers are interchangeable.

FREEZE CONTROL® Cryochambers are unique.

- The cylindrical design ensures symmetrical heat transfer from all specimens to liquid nitrogen.
- Specimen temperature is measured by a high grade precision platinum resistance temperature sensor permanently mounted in the core.
- Temperature is continuously monitored and regulated to precisely maintain specimen temperature.

Fast 23-Slot
Cryochamber

Standard 23-Slot
Cryochamber

- The highly conductive material used for the cryochamber ensures a very high degree of temperature uniformity of each specimen.



CARRY CASES

Horizontal or Upright carry cases are available

- Rugged construction for shipping
- Convenient for transporting and storage



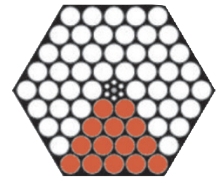
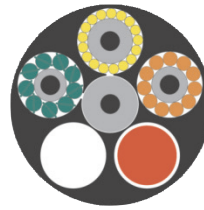
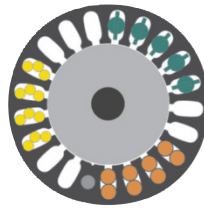
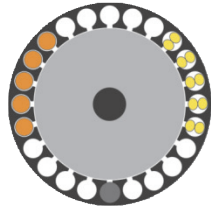
CRYOBATHS

Insulated liquid nitrogen containers with lids available in two sizes.

- 1.5 L (~2 hours operation time)
- 3.8 L (~4 hours operation time)

CUSTOMISED CORES

Cores are fixed in the cryochamber and cannot be removed. Core configurations accommodate a range of straws and ampoules.



	23-Slot Core	20-Slot Core	5-Slot Core	60 Ampoule Core
Capacity	46 x 0.25ml straws 23 x 0.50ml straws	20 x 0.30 or 0.50ml CBS™ straws 60 x 0.25ml straws 40 x 0.50ml straws	5 x 5.0ml ampoules 10 x 2.0ml ampoules 15 x 1.0ml ampoules 85 x 0.25ml straws 55 x 0.50ml straws 45 x 0.30 or 0.50ml CBS™ straws	60 x 1.0ml ampoules 60 x 2.0ml ampoules
Maximum Cooling Rates (unloaded)	STANDARD MODELS			
	9°C/min at 20°C 6°C/min at -40°C	8°C/min at 20°C 5°C/min at -40°C	6°C/min at 20°C 4°C/min at -40°C	
	FAST MODELS			
	16°C/min at 20°C 10°C/min at -40°C	14°C/min at 20°C 9°C/min at -40°C	12°C/min at 20°C 7°C/min at -40°C	5°C/min at 20°C 3°C/min at -40°C



specifically designed bigger freezing chambers