

CareBios  
Life Scientific

# -150°C Cryo Freezer

## -150°C 深低温保存箱

### ● 产品用途 Application

-150°C深低温保存箱具有更高的稳定性和温度均匀性,可用于保存病毒、病菌、红细胞、白细胞、皮肤、人体或动植物组织、骨骼、细菌、精液、生物制品、远洋制品、电子器件及其他需要低温试验的特殊材料等。

适用于医院、血站、疾病预防控制中心、科研院所、各类生物及电子实验室等。

-150°C Cryo Freezer provides a safer, more convenient and economical alternative long term storage method than LN2 containers. We design it to provide a storage environment that is about 20°C colder than the water recrystallization temperature. The freezer is suitable for storage of a variety of biological samples, such as virus, erythrocytes, leukocytes, cutis, skeleton, sperm, oceanic products, special test materials and even electronic products for testing. It can be installed in institutions including blood banks, hospitals, epidemic prevention service centers, research institutes and laboratories.

### ● 产品特点 Features



#### 控制系统

- 微电脑控制, 大屏数码显示箱内温度, 可进行精确的温度设定、及报警设置。通过电子控温可将箱内温度长期保持在-150°C, 远低于纯水的再结晶点, 以达到理想的长期贮存的条件。
- 箱内温度-100°C~ -150°C可调。
- 操作面板锁定与密码保护功能, 防止随意调节运行参数。

#### Temperature Control System

- Microprocessor control, large LED screen displays inner temperature clearly.
- The inner temperature can be adjustable at the range of -100°C~-150°C.
- Lock and password protection to prevent arbitrary adjustment of operating parameters.



## 安全保护措施

- 优质的V.I.P真空绝热材料，可确保箱体隔热性能；
- 配备高低温报警功能，可根据需要设定报警温度点。同时具备多项故障报警功能：传感器故障报警、断电报警、电池电量低报警、环境温度过高报警、冷凝器散热不良报警等。
- 三种报警方式：声音蜂鸣报警、灯光闪烁报警、远程报警器接口。
- 具备开机延时、停机间隔等保护功能。
- 可选配液氮后备装置，特殊状况下辅助制冷，安全无忧。

## Safety Control

- Malfunction alarms: high temperature alarm, low temperature alarm, sensor failure alarm.
- Three alarming methods: buzzer alarming, digital flashing alarming and remote alarm interface.
- Protection function: start-up delay, shutdown interval.



## 制冷系统

- 采用进口知名品牌压缩机，全环保无氟混合制冷剂，制冷迅速。
- 真空隔热板材及加厚环保发泡保温层，超微孔发泡技术，耐极端温差，保温效果好，有助于保持箱内温度稳定性。
- 已获专利的柜口密封结构，锁住冷量，更节能。
- 采用原装进口稳定耐超低温的高效油分离器，确保管路畅通，提供稳定的超低温运行环境。
- 合理优化蒸发冷凝系统设计，制冷强，能耗低。

## Refrigeration System

- Optimized cascade refrigeration technology, SECOP compressor is to reach a high refrigeration effect.
- Specially designed heat exchanger, high efficient heat transfer, energy saving.
- Independent engine cabinet cooling system, ensure to adapt to a higher ambient temperatures.
- CFC-Free overall situ polyurethane foaming insulation.
- CFC-Free refrigerant.

## 人性化设计

- 安全门锁设计，防止随意开启。
- 适用2英寸和3英寸的国际标准冻存盒。
- 重型可锁脚轮，方便设备移动和固定。

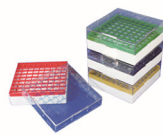
## Ergonomic Design

- Safety door lock, preventing unauthorized access.
- Wide voltage design from 192V to 242V.
- Stainless steel inner chamber, easy for cleaning.
- Heavy-duty lockable casters, easy to move and fix.

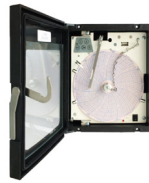
## 可选配件 Optional Accessories



二氧化碳/液氮备用装置  
Co2/ LN Standby Unit



国际标准冻存盒  
International Standard Cryo Boxes



温度记录仪  
Chart Temperature Recorder



不锈钢冻存架  
Stainless Steel Cryo Racks



温湿度无线监控云平台  
Wireless Monitoring of Temperature and Humidity Cloud Platform

## DW-150W118

技术规格 Technical Data	结构方式 Cabinet Type	气候类型 Climate Class	制冷方式 Cooling Type	化霜方式 Defrost Mode	制冷剂 Refrigerant	
	卧式 Chest	N	直冷 Direct cooling	手动 Manual	无氟制冷剂 CFC-Free	
尺寸参数 Dimensions	容量(L) Capacity(L)		净重/毛重 (千克) Net/Gross Weight(approx)	装柜数量 (20'/40'/40'H) Container load (20'/40'/40'H)	额定电压 Electrical Data	性能参数 Performance
	118	110/130 (kg)	16/32/32		额定电压(V/Hz) Power Supply(V/Hz)	设定温度(°C) Cooling performance(°C)
	内部尺寸(W*D*H) 500×400×560 (mm)	外部尺寸(W*D*H) 1270×780×965 (mm)	包装尺寸(W*D*H) 1320×920×1075 (mm)	功率(W) Power(W)	220/50	-150
				电流(A) Electrical Current(A)	2300	温度范围(°C) Temperature Range(°C)
					11	-100~-150

