

SinoCleansky Biobank Tank (Cryogenic Freezer) -180°C ~ -190°C Vapor phase in LiN Tank

Product introduction

Cryogenic freezer provides a storage capacity of 20,000 ~ 94,000 vials at 1.2ml/2.0ml. Biological samples are stored safely at a low temperature of -180°C ~ -190°C. Cryogenic freezer's excellent vacuum performance ensures long-term and effective safe storage of biological samples. Also, Handy Cryogenic freezer (HCF series) is available, the container can realize automatic opening and closing the cover, reducing the manual work of container operators. The rotation of inner turntray is controlled by electric motor and selected rack can be turned to the tank neck window. And freezing rack can be lifted by elevator also.



Cryogenic Freezer

Handy Cryogenic Freezer (Auto)

Product features

- Biological samples are stored in vapor environment -180°C to -190°C, avoid possible cross infection from biological samples.
- Ergonomic design, integrated with two tier steps for easy operation, and retractable.
- 10 inch touchscreen, display and control the real-time running status inside the freezer.
- Special pipeline design, By-Pass vents reducing inner tank temperature turbulence.
- Double inlet valves, avoid LiN overcharge.
- Auxiliary lifting elevator is optional, preset installation position.
- Pt temperature sensor.
- The whole system can be equipped with iPoint™ cloud control system.

Innovative functions (HCF models)

- Turntray is controlled by rotation and positioning, and it is easy to find the freezing rack.
- Electric lifting elevator, easy to lift the freezing rack.
- One button automatic cover opening without manual operation.



Typical Types

Model	Unit	CF200	CF400	CF800	CF940
		HCF200	HCF400	HCF800	HCF940
Overall Dimension					
Total height	mm	1764	1781	1806	1961
First step height	mm	300	250	285	285
Height from the first step to the tank neck	mm	1107	1186	1156	1331
Second step height	mm	/	470	570	570
Height from the second step to the tank neck	mm	/	966	871	1046
Outer diameter	mm	880	1160	1530	1530
Internal working diameter	mm	750	1030	1400	1400
Internal effective height	mm	755	755	755	910
Diameter of neck opening	mm	330	458	623	623
Capacity					
Max storage capacity of vials	EA	19500	41600	80925	93375
Number of freezing racks with 100 cells	EA	14	30	60	60
Number of freezing racks with 25 cells	EA	4	8	9	9
Number of layers of freezing racks	Layer	13	13	13	15
Installation					
Total capacity	L	481	925	1755	2004
Liquid nitrogen capacity (Below turntray)	L	62	157	327	327
Liquid nitrogen consumption	L/d	8	9	12	12
Liquid nitrogen supply		22 Psi			
Power supply		AC220V 50Hz			
Shipment					
Total weight of equipment	Kg	305	455	710	780
Overall dimension (LxHxW)	mm	980x880 x1764	1740x1160 x1781	1749x1530 x1806	2083x1530 x1961

