



CryoBio 13



Hot Gas Bypass Function



NFC Clocking-in Function



10-inch LCD Touch Screen

CryoBio Biobank Series Liquid Nitrogen Container

Scope of Application

Innovative design with advanced CryoSmart Pro control system for optimal sample security. It is ideal storage equipment for storing cord blood, tissue cells, biomaterials and so on to keep the activity of cell samples.

Innovative Design

- Innovative Frost-free Design.
- Real-time Level, Temperature Monitoring.

Product Advantages



Ten-inch LCD touch screen

10-inch LCD touch screen, easy to operate. The storage life of charts and digital data records is up to 5 years.



Innovative frost-free design

Unique exhaust structure to avoid frost on the neck. Brand-new drainage structure to avoid internal water accumulation.



Safe and secure

Cryosmart Level Monitoring System ZJY-800N Pro, which supports fingerprint and NFC access, providing multiple safeguards for sample safety.



Auto-fill function

Manual and automatic liquid nitrogen filling modes available. With hot gas bypass function, the unit effectively reduces the temperature fluctuation in the tank when liquid nitrogen is filled, improving sample security.

Ergonomic Design

Designed for both liquid and vapor phase storages

Vapour phase storage can reach -190°C

Real-time run monitoring for sample protection

Real-time level, temperature monitoring
Remote alarm can also be made through APP, SMS, email, etc

User-friendly design

Universal casters, easy to move, and equipped with brakes
The newly designed one-button pedal (CryoBio 43) and hydraulic opening cover make it easier to pick and place samples



Product Parameters

Model	2ml Vials (Internal Thread)	Freeze Rack (100 Wells)	Freeze Rack (25 Wells)	Layers of Each Rack	5ml Vials (Internal Thread)	Freeze Rack (81 Wells)	Freeze Rack (25 Wells)	Layers of Each Rack	Volume of LN ₂ (L)
CryoBio 13	13000	12	4	10	5360	12	4	5	350

Volume of LN ₂ Under the Tray (L)	Operating Height (mm)	Usable Internal Height (mm)	Inside Neck Diameter (mm)	Height (mm)	Outside Diameter (mm)	Door Width Requirements (mm)	Empty Weight (kg)	Full Weight (kg)
55	990	600	326	1505	910	930	290	575

Blood Bag Capacity



Model	CryoBio 13		
Bag Specifications	Total No.of Bags	Rack Layers	No.of Racks
25ml (791 OS/U)	1176	6	196
50ml (4R9951)	720	6	120
250ml (4R9953)	264	3	88
500ml (DF-200)	168	3	56
500ml (4R9955)	144	3	48
700ml (DF - 700)	96	3	3

Product List



Model	Product	Product Model	Description and Accessories
CryoBio 13 (13K)	Biobank Freezer (Smart type)	CryoBio 13	Includes vacuum isolated hose (GRG-DN10/2.0). 4 pcs of 10-tier rack (5*5). 12 pcs of 10-tier rack (9*9). 40pcs of cryo boxes (5*5) for 2ml vial, 120pcs of cryo boxes (9*9) for ml vial, 1 set of cryosmart (level monitoring system)
	Biobank freezer	CryoBio 13	Includes vacuum isolated hose (GRG-DN10/2.0) and 1 set of cryosmart (level monitoring system)
	Rack (vertical type)	FDCJ-25-10	Used for storing 5*5 cryoboxes (2ml), ten layers in total, suitable for YDD-350/550/1300 (excluding cryoboxes)
	Rack (vertical type)	FDCJ-81-10	Used for storing 9*9 cryoboxes (2ml), ten layers in total. Suitable for YDD-350/550/1300 (excluding cryoboxes)
	Plastic cryo box	FH-25	Used for storing 1.8ml/2ml vial (25 holes)
	Plastic cryo box	FH-81	Used for storing 1.8ml/2ml vial (81 holes)
	Plastic cryo box	FH-100	Used for storing 1.8ml/2ml vial (interally threaded, 100 holes)

*Haier Biomedical reserves the right to change products and specifications without prior notice.



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