



CryoBio 43



Ten-inch LCD Touch
Screen



Auto-fill Function



Stable Performance,
Long Service Life

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
- Economic armrest structure
- Universal casters, easy to move, and equipped with brakes.

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	1.2ml/1.8ml/2ml Vials (Internal Thread)	Freeze Rack (100 Wells)	Freeze Rack (25 Wells)	Layers of Each Rack	Volume of LN ₂ (L)	Volume of LN ₂ Under the tray (L)
CryoBio 43	42900	32	4	13	890	135

Operating Height (mm)	Usable Internal Height (mm)	Inside Neck Diameter (mm)	Height (mm)	Outside Diameter (mm)	Empty Weight (kg)	Full Weight (kg)	Door Width Requirements (mm)
1000	773	465	1810	1240	567	1262	1260

Blood Bag Capacity



Model	CryoBio 43		
Bag Specifications	Total No.of Bags	Rack Layers	No.of Racks
25ml (791 OS/U)	2944	8	368
50ml (4R9951)	1856	8	232
250ml (4R9953)	860	5	172
500ml (DF-200)	560	5	112
500ml (4R9955)	480	5	96
700ml (DF - 700)	272	4	68

Product List



Model	Product	Product Model	Description and Accessories
CryoBio 43 (43K)	Biobank Freezer (Smart type)	CryoBio 43	Includes vacuum isolated hose (GRG-DN10/2.0). 4 pcs of 12-tier rack (5*5). 32 pcs of 12-tier rack (9*9), 52pcs of cryo boxes (5*5) for 2ml vial, 416pcs of cryo boxes (9*9) for 2ml vial, 1 set of cryo smart (level monitoring system)
	Biobank Freezer	CryoBio 43	Includes vacuum isolated hose (GRG-DN10/2.0). 1 set of cryosmart (level monitoring system)
	Rack (vertical type)	FDCJ-25-13	Used for storing 5*5 cryo boxes (2ml), Thirteen layers in total, suitable for YDD-850/1600 (excluding cryo boxes)
	Rack (vertical type)	FDCJ-81-13	Used for storing 9*9 cryo boxes (2ml), Thirteen layers in total, suitable for YDD-850/1600 (excluding cryo boxes)
	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 crvo 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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www.wolflabs.co.uk

Tel : 01759 301142

Fax : 01759 301143

sales@wolflabs.co.uk

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