



Cryobio 11Z/20Z/34Z



Easy to Access



Brand-new Intelligent Monitoring System



Reduced Frosting and Freezing

Intelligent Liquid Nitrogen Biological Container

Scope of Application

Suitable for the cryo-preservation of plasma, cell tissues and various biological samples in hospitals, laboratories, scientific research institutions, disease control and prevention centers, various biobanks and other industry related applications.

Innovative Design

- Ergonomic Design
- Highest Degree of Safety

Qingdao Haier Biomedical Co., Ltd.

No.280 Feng Yuan Road, High-tech Zone,
Qingdao, 266111, P.R. China
E-mail: inquiry@haierbiomedical.com
Website: www.haiermedical.com



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Product Advantages



Easy to Access

With the full opening design on the top of product, and hydraulic uncapping, it saves energy and is easier for storing and removing samples.



Memory

Standard built-in USB interface making data exporting simple and convenient.



Reduced Frosting and Freezing

The brand-new cover and interlayer exhaust structure can effectively minimize frost buildup at exhaust port.



Key Design Features

Highest Degree of Safety

Double lock for double the protection, ensures safer storage of samples. The liquid nitrogen filter effectively reduces impurities which prolongs the service life of the whole machine.

Ergonomic Design

The universal caster at the bottom makes it easy to move. This model comes with an adjustable back brake, so it is convenient to put in place and stabilize. When the external power supply is off, the unit can still work with battery power supply.

Specifications

Model	CryoBio 11Z		CryoBio 20Z		CryoBio 34Z	
	Vapor Phase	Liquid Phase	Vapor Phase	Liquid Phase	Vapor Phase	Liquid Phase
1.2ml, 1.8ml, 2ml Vials (Internal Thread)*	11000	13000	20350	24050	33550	42900
5*5 Rack (vertical type)	-	-	10	10	10	8
10*10 Rack (vertical type)	10	10	16	16	28	31
5*5 Freezer Box	-	-	110	130	110	104
10*10 Freezer Box	110	130	176	208	308	403
Layers of Vertical Type Rack	11	13	11	13	11	13
Volume of LN (L)	200		340		550	
Exterior Dimensions (W*D*H)(mm)	730*1035*1190		910*1170*1190		1100*1410*1190	
Usable Internal Height (mm)	790		790		790	
Static Evaporation (L/Day)	7		10		12	
Empty Weight (kg)	209		301.5		400	
Inside Neck Diameter (mm)	610		790		1000	
Full Weight (kg)	357		543		821	

*The stated maximum storage capacity applies to internal threading 2ml cryovials. Standard orders include 9*9 cryo-boxes (not the maximum capacity). To reach maximum capacity, Please specify: need 10*10 cryobox.

Product List

Model	Product	Product Model	Description and Accessories
CryoBio 11Z (11K)	Zhiling Liquid Nitrogen Container (Smart type)	CryoBio 11Z	Includes vacuum isolated hose (GRG-DN10/2.0). 1 set of cryosmart (level monitoring system). 10pcs of 11-tier rack (9*9). 110pcs of cryo boxes (9*9) for 2ml vial
	Zhiling Liquid Nitrogen Container	CryoBio 11Z	Includes vacuum isolated hose (GRG-DN10/2.0) and intelligent monitoring system, rack is optional
	Rack (vertical type)	FDCJ-81-11	Used for storing 9*9 cryoboxes (2ml), eleven layers in total, suitable for CryoBio 11Z/CryoBio 20Z/CryoBio 34Z (excluding cryoboxes)
	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)
CryoBio 20Z (20K)	Zhiling Liquid Nitrogen Container (Smart type)	CryoBio 20Z	Includes vacuum isolated hose (GRG-DN10/2.0), 1 set of cryosmart (level monitoring system), 10 pcs of 11-tier rack (5*5). 16pcs of 11-tierrack (9*9). 110 pcs of cryo boxes (5*5) for 2ml vial. 176pcs of cryo boxes (9*9) for 2ml vial
	Zhiling Liquid Nitrogen Container	CryoBio 20Z	Includes vacuum isolated hose (GRG-DN10/2.0) and intelligent monitoring system, rack is optional
	Rack (vertical type)	FDCJ-25-11	Used for storing 5*5 cryoboxes (2ml), eleven layers in total. suitable for CryoBio 11Z/CryoBio 20Z/CryoBio 34Z (excluding cryoboxes)
	Rack (vertical type)	FDCJ-81-11	Used for storing 9*9 cryoboxes (2ml), eleven layers in total. suitable for CryoBio 11Z/CryoBio 20Z/CryoBio 34Z (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)
CryoBio 34Z (34K)	Zhiling Liquid Nitrogen Container	CryoBio 34Z	Includes vacuum isolated hose (GRG-DN10/2.0). 1 set of cryosmart (level monitoring system). 10 pcs of 11-tier rack (5*5). 28pcs of 11-tier rack (9*9). 110pcs of cryo boxes (5*5) for 2ml vial. 308pcs of cryo boxes (9*9) for 2ml vial
	Zhiling Liquid Nitrogen Container (Smart type)	CryoBio 34Z	Includes vacuum isolated hose (GRG-DN10/2.0) and intelligent monitoring system. Rack is optional
	Rack (vertical type)	FDCJ-25-11	Used for storing 5*5 cryoboxes (2ml), eleven layers in total. suitable for CryoBio 11Z/CryoBio 20Z/CryoBio 34Z (excluding cryoboxes)
	Rack (vertical type)	FDCJ-81-11	Used for storing 9*9 cryoboxes (2ml), Eleven layers in total, suitable for CryoBio 11Z/CryoBio 20Z/CryoBio 34Z (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)

Blood Bag Capacity

Model	Cryobio 11Z			Cryobio 20Z			Cryobio 34Z		
	Total No.of Bags	Rack Layers	No.of Racks	Total No.of Bags	Rack Layers	No.of Racks	Total No.of Bags	Rack Layers	No.of Racks
Vapor Phase									
25ml	864	6	144	1500	6	250	2412	6	402
50ml	528	6	88	942	6	154	1512	6	252
250ml	272	4	68	480	4	120	808	4	202
Liquid Phase									
25ml	1152	8	144	2000	8	250	3216	8	402
50ml	704	8	88	1232	8	154	2016	8	252
250ml	340	5	68	600	5	120	1010	5	202

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