

Headquarter
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 Manufacturing bas

LIQUD NITROGEN **STORAGE SOLUTIONS**

Qingdao Haier Biomedical Co.,Ltd.

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Haier Biomedical Intelligent Protection of Life Science



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Company Profile

Haier Biomedical Technology (Chengdu) Co., Ltd., is a holding subsidiary of Qingdao Haier Biomedical Co., Ltd. (Stock Code: 688139) and based in Chengdu. As a global cryogenic product manufacturing base, the facility specializes in the research, development, and production of liquid nitrogen containers and liquid nitrogen related equipment.

Extra large LCD and cryogenic intelligent management, establishing a new global stan



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The chief R&D scientist is Professor Li Zongji, the former chief technology officer of Chart Industries in US, who has 40 years of experience in the development and manufacturing of liquid nitrogen tanks. Eight industry experts make up the consulting team which supports technical development and product optimization development and product optimization.

From its inception the business has been committed to the R&D and manufacture of liquid nitrogen related equipment. Our broad range of products include: •Liquid nitrogen supply system (liquid nitrogen tower and cryogenic tube) •Liquid nitrogen biological container •Sample transfer equipment

- •Monitoring management and software system
- •Liquid nitrogen freezing technology for food (ice cream, seafood etc.)
- •Liquid nitrogen thermostat technology



Haier Biomedical products and solutions are widely used across various fields, such as medical treatment, animal husbandry, scientific research, military industry, food, and industrial. Haier Biomedical have obtained ISO9001 and EU MDD (Medical Device Directive) certification.









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Key Members



Board Chairman: Dr Liu Zhanjie

Dr Liu Zhanjie is the Founder and General Manager of Haier Biomedical Co., Ltd., and former General Manager and Chief Engineer of Qingdao Haier Medical and Laboratory Products Co., Ltd.

Dr Liu received his doctoral degree in refrigeration and cryogenic engineering from the University of Shanghai for Science and Technology in 2001. Dr Liu has won multiple accolades and made significant contributions to the world of science and technology innovation.



General Manager: **Mr Tang Wenming**

Tang Wenming, graduated from Chengdu University of Technology, founded Chengdu Shengjie Cryogenic Equipment Co., Ltd in 2011 and served as the general manager. Following Haier Biomedical' s financing in 2017, Mr. Tang established a new company, Sichuan Haishengjie Cryogenic Technology Co., Ltd. During his tenure, Mr. Tang has developed innovative solutions, directed and acquired multiple patents. At the same time, Mr. Tang also signed a cooperation agreement with the CNNC as a qualified professional supplier with the China Aerospace First Academy.



Chief Technology Officer: Mr Li Zongji Li Zongji was the founder and general manager of Chengdu Jinfeng Liquid Nitrogen Container Co., Ltd. He began his career within the liquid nitrogen container industry in 1976, and his company was the first Chinese manufacturer liquid nitrogen containers. During his term of office, he led the drafting of three national standards of the People's Republic of China-GBT 5458-2012, Liquid Nitrogen Biological Container, GBT 14174-2012, Large Caliber Liquid Nitrogen Container, and GBT 16774-2012, Self-pressurized Liquid Nitrogen Container.

Chengdu Science and Technology Control Haze

In 2017, the business participated in the Chengdu Technology Control of Haze Project to explore the method of utilizing ultra-low temperature liquid nitrogen technology to control haze. Such efforts were aimed to find an effective way to improve local atmospheric diffusion conditions and air quality.



Long March 5 Launch Vehicle Project

The company has developed the 80K pre-cooling and pressurization system in partnership with the Long March 5 Orbital Launch Vehicle Model Office, this collaboration was to achieve the temperature's liquid nitrogen simulation and internal pressure environment for the liquid oxygen transport pipeline. The project was a success with the products performance in flight achieving all technical requirements.

Superconducting Maglev Project



For this project, the team conducted an experiment that represented cutting-edge technology that resulted in industry leading outcomes in the field of high-temperature superconducting maglev research in China, a project jointly achieved in partnership with the Southwest Jiaotong University. Under ideal conditions, the super high-speed vacuum tube high-temperature superconducting maglev vehicle can drive at the ultimate speed of more than 1000 kilometers per hour with low energy consumption and no noise pollution.



Scientific Research Projects

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Human Body Cryopreserving Project

Haier Biomedical

We cooperated with Yinfeng Research Institute on China's first human body cryopreserving project. The research produced the latest cryonics technology in China that allowed the human body to be stored in a -196°C environment.



Seafood Liquid Nitrogen Freezing Project

We conducted a research project jointly with several large fishery enterprises. Based on the research results, we can achieve the rapid freezing of the seafood within five minutes to maintain the original colors, tastes, and nutrients. Such a freezing method has received unanimous praise from users relying on its fast freezing, long preservation time, and low operating costs.



Smart IoT Liquid Nitrogen Tank



problematic over the years, the existing liquid level detection methods have a low degree of intelligence and are not conducive to LN₂ management. To solve the above problems, we have developed smart IoT liquid nitrogen tanks, which improves the accuracy of the liquid level detection without polluting the stored samples.

Liquid detection systems have proven





As society today develops rapidly toward intelligence, traditional liquid nitrogen tanks have gradually become unable to meet the market's needs. In response, we launched intelligent liquid nitrogen tanks and smart caps in 2019. These products have combined advanced intelligent monitoring technologies and IoT technologies to realize remote data monitoring, scientific and intelligent management, and intuitive display of users' sample storage situations. Such efficient sample management ensures the accuracy of sampling and improves the quality control of biological samples. Our liquid nitrogen tanks can store not only blood but also human biological samples, such as cord blood, cells, and sperm, to provide the best protection for them.

Low Temperature Transport Trolley







Scientific and Technological Innovations

Haier Biomedical Liquid Nitrogen Storage Solutions

Biobank Series for Large Scale Storage

Biobank series for large scale storage is designed to ensure the maximum storage capacity with the minimum consumption of liquid nitrogen to lower the overall cost of operation .

- LN₂Splashproof
- Data Logging
- Hot Gas Bypass
- 5 Years Vacuum Warranty
- From 13,000 to 94,875 Cryovials

- Self-diagnostics
- Vapour Phase Storage
- Lockable Lid
- Liquid Phase Storage
- One-touch Defogging



Key Features

- Massive capacity between 13,000 to 94,875×2ml Vials
- Vapour phase storage is the only guaranteed method to prevent cross-contamination
- Vapour phase storage at -190°C
- 5-Year vacuum warranty

Product Advantages

Optimal Use of Storage Space

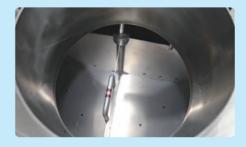
Racks are stored on the rotating tray with an appropriate distance from the wall of the chamber. Liquid nitrogen or supercooled nitrogen vapour is filled in the space between the tray and the wall to maintain temperature uniformity. Storage space is equally divided into four or six fan-shaped storage areas which are clearly labelled. Each storage room is easily rotated to the opening of the tank for convenient sample access.

Designed for Both Liquid and Vapor Phase Storages

Each model from the Biobank series for large scale storage is designed for both liquid and vapor phase storage. For the vapor phase storage operation process, samples are located away from the liquid nitrogen at a uniform temperature close to that of liquid nitrogen.



- One-touch defogging for easier access
- LN₂ splash proof ensures a safer operation
- Can be used to store all kinds of biological sample

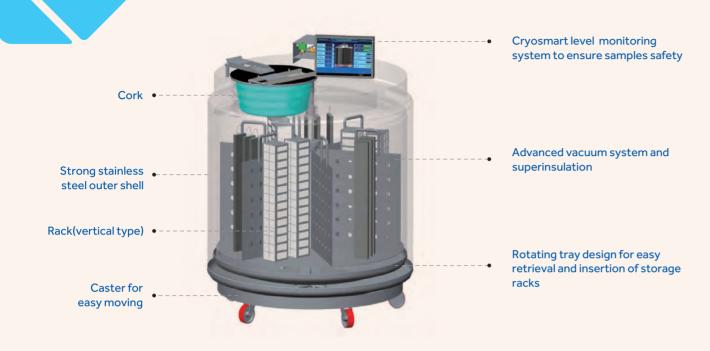


Advanced Vacuum Technology and Superinsulation Technology

Haier Biomedical's Liquid Nitrogen Storage System Biobank series for large scale storage applies advanced vacuum technology and superinsulation technology to ensure storage safety and temperature uniformity while reducing the consumption of liquid nitrogen. The temperature difference of the entire storage area does not exceed 10°C, even during the vapor phase storage process, the temperature near the top of the shelf is as low as -190°C.

Cryosmart Level Monitoring System ITC-800N201(N4.1)

Haier Biomedical's Liquid Nitrogen Storage System Biobank series for large scale storage feature the Cryosmart system for complete monitoring and control. High-precision temperature and liquid level sensors are used to ensure accuracy. All data and samples are protected by a secure access control system.



The unique design can reduce the amount of water vapor solidification on the outer surface of the neck, the container is reinforced at liquid nitrogen temperature to extend the physical service life of the container.



Temperature Test Graph



1 Precooling stage when freezer filled to high level 2 Lid open test, -179.2°C max ③With no liquid nitrogen supply, the temperature maintained below -135°C for 22 days



1 Precooling stage when freezer filled to high level 2 Lid open test, -179.4°C max ³ With no liquid nitrogen supply, the temperature maintained below -135°C for 21 days

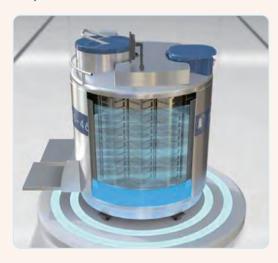
Temp Test indicates typical performance of Haier Biobank freezer with factory recommended level settings. Actual performance may vary with atmospheric conditions and usage.

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Liquid and Gas Phase

Liquid Phase

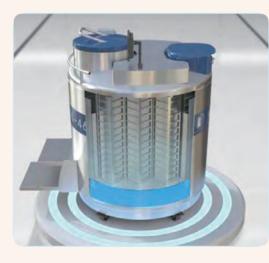
Haier Biomedical



Top of the Container



Gas Phase



Liquid Feed System



The large-caliber stainless steel liquid nitrogen biological container is matched with a selfpressurizing replenishment tank, which is suitable for scientific research institutions with a small sample storage capacity.





① Precooling stage when freezer filled to high level

2 Lid open test, -180.2°C max

With no liquid nitrogen supply, the temperature maintained below -135°C for 20 days



1 Precooling stage when freezer filled to high level

2 Lid open test, -181.4°C max

³ With no liquid nitrogen supply, the temperature maintained below -135°C for 19 days



Technical Parameters

Model	YDD-350-326/PM	YDD-370-326/PM	YDD-450-326/PT	YDD-550-445/PM	YDD-750-445/PM				
2ml Volume	13K	16K	21K	27K	38K				
Maximum Storage Capa	Maximum Storage Capacity								
2 ml Vials (Internal Thread)	13000	15600	21000	27000	37800				
Freeze Rack (100 wells)	12	12	12	24	24				
Freeze Rack (25 wells)	4	4	8	12	12				
Layers of each Rack	10	12	15	10	14				
5 ml Vials (Internal Thread)	5360	6432	10548	11220	17952				
Freeze Rack (81 wells)	12	12	12	24	24				
Freeze Rack (25 wells)	4	4	8	12	12				
Layers of each Rack	5	6	9	5	8				
Performance		1							
Volume of LN ₂ (L)	350	370	480	587	783				
Volume of LN_2 under the Tray (L)	55	55	55	80	80				
Dimensions									
Inside Neck Diameter (mm)	326	326	326	445	445				
Effective Internal Height (mm)	600	704	900	600	828				
Height (mm)	1263	1370	1570	1266	1486				
Operating Height (mm)	1263	1096	1060	1266	995				
Outside Diameter (mm)	875	875	875	1104	1104				
Door Width Requirement (mm)	895	895	895	1124	1124				
Empty Weight (kg)	219	230	286	328	372				
Full Weight (kg)	502	529	674	802	1005				
Shipping Weight (kg)	358	438	479	520	616				

Blood bag capacity

Model	YDD	-350-320	5/PM	YDD	-370-32	5/PM	YDD	0-450-3	26/PT	YDD	-550-445	5/PM	YDD	-750-44	5/PM
Bag Specifications	Total No.of Bags	Rack Layers	No.of Racks	Total No.of Bags	Rack Layers										
25ml (791 OS/U)	1176	6	196	1372	7	196	1602	9	178	2208	6	368	2944	8	368
50ml (4R9951)	720	6	120	840	7	120	990	9	110	1392	6	232	1856	8	232
250ml (4R9953)	264	3	88	352	4	88	450	5	90	516	3	172	860	5	172
500ml (DF-200)	168	3	56	168	3	56	270	5	54	336	3	112	560	5	112
500ml (4R9955)	144	3	48	192	4	48	260	5	52	288	3	96	480	5	96
700ml (DF - 700)	96	3	32	96	3	32	180	5	36	204	3	68	272	4	68



YDD-1000-465/7

Technical Parameters

Model	YDD-850-465/PM	YDD-1000-465/PT	YDD-1300-635/PM	YDD-1600-635/PM	YDD-1800-635/PT	
	471/	511/	501/	7.04	0.51/	
2ml Volume	43K	51K	59K	76K	95K	
Maximum Storage Capaci	ty					
2 ml Vials (Internal Thread)	42900	51000	58500	76050	94875	
Freeze Rack (100 wells)	32	30	54	54	60	
Freeze Rack (25 wells)	4	16	18	18	13	
Layers of each Rack	13	15	10	13	15	
5 ml Vials (Internal Thread)	18844	22640	28944	33768	46665	
Freeze Rack (81 wells)	32	30	54	54	60	
Freeze Rack (25 wells)	4	16	18	18	13	
Layers of each Rack	7	8	6	7	9	
Performance						
Volume of LN ₂ (L)	890	1014	1340	1660	1880	
Volume of LN_2 under the Tray (L)	135	135	265	300	320	
Dimensions						
Inside Neck Diameter (mm)	465	465	635	635	635	
Effective Internal Height (mm)	773	900	620	791	900	
Height (mm)	1499	1619	1341	1534	1661	
Operating Height (mm)	980	1090	997	967	1097	
Outside Diameter (mm)	1190	1190	1565	1565	1565	
Door Width Requirement (mm)	1210	1210	1585	1585	1585	
Empty Weight (kg)	441	495	851	914	985	
Full Weight (kg)	1160	1314	1934	2255	2504	
Shipping Weight (kg)	702	926	1168	1426	1520	

Blood bag capacity

	YDD	-850-46	5/PM	YDD	-1000-465	5/PT	YDD	-1300-63	5/PM	YDD-1	600-635	/PM	YDD	-1800-63	5/PT
Bag Specifications	Total No.of Bags	Rack Layers	No.of Racks												
25ml (791 OS/U)	2996	7	428	3852	9	428	4536	6	756	5292	7	756	7218	9	802
50ml (4R9951)	1904	7	272	2394	9	266	2808	6	468	3276	7	468	4446	9	494
250ml (4R9953)	832	4	208	1020	5	204	1062	3	354	1770	5	354	1940	5	388
500ml (DF-200)	544	4	136	670	5	134	666	3	222	888	4	222	1290	5	258
500ml (4R9955)	464	4	116	520	5	104	654	3	218	792	4	198	1090	5	218
700ml (DF - 700)	320	4	80	400	5	80	396	3	132	528	4	132	775	5	155

Intelligent Protection of Life Science

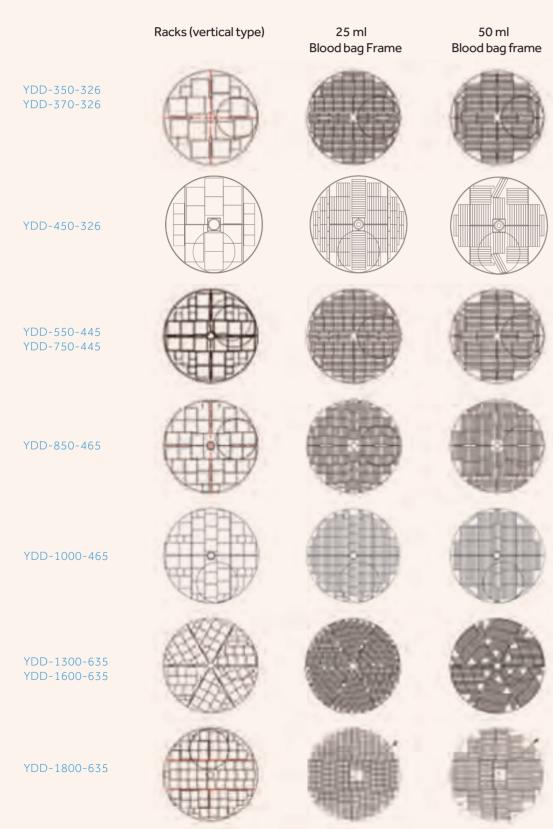






Racks (vertical type) and Blood bag Frame

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Biological Sample Bank-YDD Series

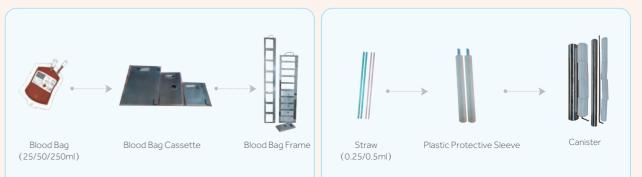
Storage Example of 2ml Internally Threaded Vial



Storage Example of Tall 5ml Cryovials



Blood Bag Storage Example



Straw Storage Example

Product List

Product List

PDD-350-326/PM (sector) Includes vacuum isolated hose (GRG-DN10/2.0), 4pcs of 10-tier rack (5*5), 12 pcs of 12-tier				
YDD-350-326/PM 10-ter rack (9*9), 40pcs of crya boxes for 2mi vial (5*5), 120pcs of crya boxes for 2mi vial (5*5), 120pc	Model	Product	Model	Description and Accessories
Biobank freezer IDD-350-320/FM system are optional C C YDD-350-326/ PM (13K) Rack (vertical type) FDC.J-81-10 Used for storing 5*5 cryoboxes (2ml), ten layers in total, suitable for YDD-350/550/1300 (excluding cryoboxes) PM (13K) Rack (vertical type) FDC.J-81-10 Used for storing 1*9 cryoboxes (2ml), Ten layers in total, Suitable for YDD-350/550/1300 (excluding cryoboxes) Plastic cryo box 5*5 (2.0) Used for storing 1.8ml/2ml vial (25 holes) Plastic cryo box 9*9 (2.0) Used for storing 1.8ml/2ml vial (25 holes) Plastic cryo box 10*10 (2.0) Used for storing 1.8ml/2ml vial (18 holes) Cryosmart level (cryosmart level (cryosmart level (smart type) TC-800N201 (N4.1) Suitable for al capacitive measurement of gas phase liqui nitrogen containers, including the liquid inite system and excluding the writesida at a transmission module Biobank freezer YDD-370-326/PM Includes vacuum isolated hose (GRG-DN10/2.0), Apcc of 12-tier rack (5*5), 12 pcs of (smart type) PD-370-326/PM Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional Biobank freezer YDD-370-326/PM Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional PM (16K) Rack (vertical type)			YDD-350-326/PM	10-tier rack (9*9), 40pcs of cryo boxes for 2ml vial (5*5), 120pcs of cryo boxes for 2ml vial
YDD-350-326/ PM (13k) Rack (vertical type) FDC.J-81-10 (excluding cryoboxes) YDD-350-326/ PM (13k) Rack (vertical type) FDC.J-81-10 (excluding cryoboxes) Plastic cryo box 5*5 (2.0) Used for storing 9*9 cryoboxes) Plastic cryo box Plastic cryo box 9*9 (2.0) Used for storing 1.8ml/2ml vial (81 holes) Plastic cryo box 10*10 (2.0) Used for storing 1.8ml/2ml vial (81 holes) Cryosmart level monitoring system ITC-800N201 (N4.1) Suitable for all capacitive measurement of gas phase liquid nitrogen containers, including the liquid inter system and excluding the wireless data transmission module Biobank freezer (smart type) YDD-370-326/PM Includes vacuum isolated hose (GRC-DN10/2.0), Apcs of 12-tier rack (5*5), 12 pcs of (9*9), 1 set of cryosmart level monitoring system) Biobank freezer (smart type) FDC.J-81-12 Used for storing 3*5 cryoboxes (2ml), Twelve layers in total, suitable for YDD-370 (excluding cryoboxes) PM (16K) Rack (vertical type) FDC.J-81-12 Used for storing 1.8ml/2ml vial (15 holes) Plastic cryo box 5*5 (2.0) Used for storing 1.8ml/2ml vial (10 holes) Includes vacuum isolated hose) Plastic cryo box 5*5 (2.0) Used for storing 1.8ml/2ml vial (10 holes) Instuding cryo		Biobank freezer	YDD-350-326/PM	
PM (13K) Rack (vertical type) FDCJ-81-10 reculuing cryoboxes) Plastic cryo box 5*5 (2.0) Used for storing 1.8ml/2ml vial (25 holes) Plastic cryo box 9*9 (2.0) Used for storing 1.8ml/2ml vial (81 holes) Plastic cryo box 10*10 (2.0) Used for storing 1.8ml/2ml vial (81 holes) Cryosmart level monitoring system ITC-800N201 (N4.1) Suitable for all capacitive measurement of gas phase liquid nitrogen containers, including the liquid inlet system measurement of gas phase liquid nitrogen containers, including the liquid inlet system and excluding the wireless data transmission module the liquid inlet system and excluding the wireless data transmission module (smart type) Biobank freezer (smart type) YDD-370-326/PM Includes vacuum isolated hose (GRG-DN10/2.0), Ages of 12-1er rack (5*5), 12 pcs of 12-1er rack (9*9), Agpes of roy boxes for 2ml vial (stress), 144pcs of cryo boxes for 2ml vial (stress), 144pcs of cryosmart level monitoring system YDD-450-326/PT Moless FDCJ-81-12 U		Rack (vertical type)	FDCJ-25-10	
YDD-370-326/ PM (16K) FDCJ-81-12 Used for storing 1.8ml/2ml vial (81 holes) YDD-370-326/ PM (16K) FDCJ-81-12 Used for storing 1.8ml/2ml vial (81 holes) YDD-370-326/ PM (16K) FDCJ-81-12 Used for storing 1.8ml/2ml vial (81 holes) YDD-370-326/ PM (16K) FDCJ-81-12 Used for storing 1.8ml/2ml vial (81 holes) YDD-370-326/ PM (16K) FDCJ-81-12 Used for storing 1.8ml/2ml vial (81 holes) YDD-370-326/ PM (16K) FDCJ-81-12 Used for storing 5*5 cryoboxes (2ml), Twelve layers in total, suitable for YDD-370 Rack (vertical type) FDCJ-81-12 Used for storing 5*5 cryoboxes (2ml), Twelve layers in total, suitable for YDD-370 Plastic cryo box 5*5(2.0) Used for storing 1.8ml/2ml vial (25 holes) Plastic cryo box 9*9 (2.0) Used for storing 1.8ml/2ml vial (81 holes) Plastic cryo box 10*10 (2.0) Used for storing 1.8ml/2ml vial (81 holes) Plastic cryo box 9*9 (2.0) Used for storing 1.8ml/2ml vial (55 holes) Plastic cryo box 10*10 (2.0) Used for storing 1.8ml/2ml vial (81 holes) Plastic cryo box 10*10 (2.0) Used for storing 1.8ml/2ml vial (51 holes) Plastic cryo box 10*10 (2.0) Used for stori		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)
YDD-370-326/ PM (16K) Biobank freezer (smart type) YDD-370-326/PM Includes vacuum isolated hose (GRG-DN10/2.0), Apcs of 12-tier rack (5*5), 12 pcs of 12-tier rack (9*9), Apps of cryo boxes for 2ml vial (5*5), 14Apcs of cryo boxes for 2ml vial (9*9), 12 set of cryosmart level monitoring system YDD-370-326// PM (16K) Biobank freezer (smart type) YDD-370-326/PM Includes vacuum isolated hose (GRG-DN10/2.0), Apcs of 12-tier rack (5*5), 12 pcs of 12-tier rack (9*9), 14Bpcs of cryo boxes for 2ml vial (9*9), 12 set of cryosmart level monitoring system Biobank freezer PM (16K) YDD-370-326/PM Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional Biobank freezer PM (16K) YDD-370-326/PM Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional Rack (vertical type) FDCJ-25-12 Used for storing 5*5 cryoboxes (2ml), Twelve layers in total, suitable for YDD-370 (excluding cryoboxes) Plastic cryo box 5*5 (2.0) Used for storing 1.8ml/2ml vial (16 tholes) Plastic cryo box 5*5 (2.0) Used for storing 1.8ml/2ml vial (16 tholes) Plastic cryo box 10*10 (2.0) Used for storing 1.8ml/2ml vial (16 tholes) Plastic cryo box 10*10 (2.0) Used for storing 1.8ml/2ml vial (16 tholes) Plastic cryo box 10*10 (2.0) Used for storing 1.8ml/2ml vial (Plastic cryo box	5*5 (2.0)	Used for storing 1.8ml/2ml vial (25 holes)
YDD-370-326/ PM (16K) FDCJ-81-12 Used for storing 1.8ml/2ml vial (SFS), 12 pcs of 12-tier rack (5*S), 12 pcs of 2ml vial (5*S), 144pcs of cryo boxes for 2ml vial (5*S), 144pcs of cryo b		Plastic cryo box	9*9 (2.0)	Used for storing 1.8ml/2ml vial (81 holes)
YDD-370-326/ PM (16K) FDC J-25-12 Used for storing 1*8 min (2*5) YDD-370-326/PM FDC J-25-12 Used for storing 1*8 min (2*5) 1.4 min (2*5) YDD-370-326/PM FDC J-25-12 Used for storing 1*8 min (2*5) 1.4 min (2*5) Rack (vertical type) FDC J-25-12 Used for storing 1*8 min (2*5) 1.4 min (2*5) PM (16K) Rack (vertical type) FDC J-25-12 Used for storing 1*8 min (2*5) 1.4 min (2*5) PM (16K) Rack (vertical type) FDC J-25-12 Used for storing 1*8 min (2*1) 1.4 min (2*1) PM (16K) Rack (vertical type) FDC J-25-12 Used for storing 1*8 min (2*1) 1.4 min (2*1) PM (16K) Rack (vertical type) FDC J-25-12 Used for storing 1*8 min (2*1) 1.4 min (2*1) PM (16K) Rack (vertical type) FDC J-25-12 Used for storing 1*8 min (2*1) 1.4 min (2*1) PM (16K) Plastic cryo box 5*5 (2.0) Used for storing 1*8 min (2*1) 1.4 min (2*1) Plastic cryo box 10*10 (2.0) Used for storing 1*8 min (2*1) 1.4 min (2*1) 1.4 min (2*1) Plastic cryo box 10*10 (2.0) Used for s		Plastic cryo box	10*10 (2.0)	Used for storing 1.8ml/2ml vial (interally threaded, 100 holes)
Biobank freezer (smart type) YDD-370-326/PM 12-tier rack (9*9), 48pcs of cryo baxes for 2ml vial (5*5), 144pcs of cryo baxes for 2ml vial (9*9), 1 set of cryosmart (level monitoring system) Biobank freezer YDD-370-326/PM Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional YDD-370-326/ PM (16K) Rack (vertical type) FDCJ-25-12 Used for storing 5*5 cryoboxes (2ml), Twelve layers in total, suitable for YDD-370 (excluding cryoboxes) PM (16K) Rack (vertical type) FDCJ-81-12 Used for storing 9*9 cryoboxes (2ml), Twelve layers in total, suitable for YDD-370 (excluding cryoboxes) Plastic cryo box 5*5 (2.0) Used for storing 1.8ml/2ml vial (25 holes) Plastic cryo box 9*9 (2.0) Used for storing 1.8ml/2ml vial (81 holes) Plastic cryo box 10*10 (2.0) Used for storing 1.8ml/2ml vial (interally threaded, 100 holes) Cryosmart level monitoring system ITC-800N201 (N4.1) Suitable for all capacitive measurement of gas phase liquid nitrogen containers, including the liquid inlet system and excluding the wireless data transmission module Biobank freezer (smart type) YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), 8pcs of cryo boxes for 2ml via (9*9), 1 set of cryosmart (level monitoring system) Biobank freezer YDD-450-326/PT Includes vacuum isolated hose (GRG-DN1			ITC-800N201 (N4.1)	
YDD-370-326/ PM (16K) Biobank freezer YDD-370-326/PM system are optional YDD-370-326/ PM (16K) Rack (vertical type) FDCJ-25-12 Used for storing 5*5 cryoboxes (2ml), Twelve layers in total, suitable for YDD-370 (excluding cryoboxes) PM (16K) Rack (vertical type) FDCJ-81-12 Used for storing 9*9 cryoboxes (2ml), Twelve layers in total, suitable for YDD-370 (excluding cryoboxes) Plastic cryo box 5*5 (2.0) Used for storing 1.8ml/2ml vial (25 holes) Plastic cryo box 9*9 (2.0) Used for storing 1.8ml/2ml vial (81 holes) Plastic cryo box 10*10 (2.0) Used for storing 1.8ml/2ml vial (81 holes) Cryosmart level monitoring system ITC-800N201 (N4.1) Suitable for all capacitive measurement of gas phase liquid nitrogen containers, including the liquid inlet system and excluding the wireless data transmission module Biobank freezer (smart type) YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), 8pcs of 15-tier rack (5*5), 12 pcs of 15-tier rack (9*9), 120pcs of cryo boxes for 2ml vial (5*5), 180pcs of cryo boxes for 2ml vial (9*9), 1 set of cryosmart (level monitoring system) Biobank freezer (smart type) YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional Biobank freezer YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0)			YDD-370-326/PM	12-tier rack (9*9), 48pcs of cryo boxes for 2ml vial (5*5), 144pcs of cryo boxes for 2ml vial
YDD-370-326/ PM (16K) Rack (vertical type) FDCJ-25-12 (excluding cryoboxes) (excluding cryoboxes) PM (16K) Rack (vertical type) FDCJ-81-12 Used for storing 9*9 cryoboxes (2ml), Twelve layers in total, suitable for YDD-370 (excluding cryoboxes) Plastic cryo box 5*5 (2.0) Used for storing 1.8ml/2ml vial (25 holes) Plastic cryo box 9*9 (2.0) Used for storing 1.8ml/2ml vial (81 holes) Plastic cryo box 10*10 (2.0) Used for storing 1.8ml/2ml vial (interally threaded, 100 holes) Cryosmart level monitoring system ITC-800N201 (N4.1) Suitable for all capacitive measurement of gas phase liquid nitrogen containers, including the liquid inlet system and excluding the wireless data transmission module Biobank freezer (smart type) YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), 8pcs of 15-tier rack (5*5), 12 pcs of 15-tier rack (9*9), 120pcs of cryo boxes for 2ml vial (5*5), 180pcs of cryo boxes for 2ml vial (9*9), 1 set of cryosmart (level monitoring system) Biobank freezer YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system Biobank freezer YDD-450-326/PT Used for storing 5*5 cryoboxes (2ml), Fifteen layers in total, suitable for		Biobank freezer	YDD-370-326/PM	
PM (16K) Rack (vertical type) FDC.J-81-12 Used for storing 9*9 cryoboxes (2ml), 1 weive layers in total, suitable for YDD-370 (excluding cryoboxes) Plastic cryo box 5*5 (2.0) Used for storing 1.8ml/2ml vial (25 holes) Plastic cryo box 9*9 (2.0) Used for storing 1.8ml/2ml vial (81 holes) Plastic cryo box 10*10 (2.0) Used for storing 1.8ml/2ml vial (interally threaded, 100 holes) Cryosmart level monitoring system ITC-800N201 (N4.1) Suitable for all capacitive measurement of gas phase liquid nitrogen containers, including the liquid inlet system and excluding the wireless data transmission module Biobank freezer (smart type) YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), 8pcs of 15-tier rack (5*5), 12 pcs of 15-tier rack (9*9), 1 20pcs of cryo boxes for 2ml vial (5*5), 180pcs of cryo boxes for 2ml via (9*9), 1 set of cryosmart (level monitoring system) Biobank freezer YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system) Biobank freezer YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional		Rack (vertical type)	FDCJ-25-12	
Plastic cryo box 9*9 (2.0) Used for storing 1.8ml/2ml vial (81 holes) Plastic cryo box 10*10 (2.0) Used for storing 1.8ml/2ml vial (interally threaded, 100 holes) Cryosmart level monitoring system ITC-800N201 (N4.1) Suitable for all capacitive measurement of gas phase liquid nitrogen containers, including the liquid inlet system and excluding the wireless data transmission module Biobank freezer (smart type) YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), 8pcs of 15-tier rack (5*5), 12 pcs of 15-tier rack (9*9), 1 20pcs of cryo boxes for 2ml vial (5*5), 180pcs of cryo boxes for 2ml via (9*9), 1 set of cryosmart (level monitoring system) Biobank freezer (smart type) YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional Biobank freezer YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional Biobank freezer YDD-450-326/PT Used for storing 5*5 cryoboxes (2ml), Fifteen layers in total, suitable for		Rack (vertical type)	FDCJ-81-12	
Plastic cryo box 10*10 (2.0) Used for storing 1.8ml/2ml vial (interally threaded, 100 holes) Cryosmart level monitoring system ITC-800N201 (N4.1) Suitable for all capacitive measurement of gas phase liquid nitrogen containers, including the liquid inlet system and excluding the wireless data transmission module Biobank freezer (smart type) YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), 8pcs of 15-tier rack (5*5), 12 pcs of 15-tier rack (9*9), 120pcs of cryo boxes for 2ml vial (5*5), 180pcs of cryo boxes for 2ml via (9*9), 1 set of cryosmart (level monitoring system) Biobank freezer (smart type) YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional Biobank freezer YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional Dask (vartical type) EDC 1-25-15 Used for storing 5*5 cryoboxes (2ml), Fifteen layers in total, suitable for		Plastic cryo box	5*5 (2.0)	Used for storing 1.8ml/2ml vial (25 holes)
Cryosmart level monitoring system ITC-800N201 (N4.1) Suitable for all capacitive measurement of gas phase liquid nitrogen containers, including the liquid inlet system and excluding the wireless data transmission module Biobank freezer (smart type) YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), 8pcs of 15-tier rack (5*5), 12 pcs of 15-tier rack (9*9), 120pcs of cryo boxes for 2ml vial (5*5), 180pcs of cryo boxes for 2ml vial (9*9), 1 set of cryosmart (level monitoring system) Biobank freezer YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional Biobank freezer YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional Dask (vartical type) EDC I=25=15 Used for storing 5*5 cryoboxes (2ml), Fifteen layers in total, suitable for		Plastic cryo box	9*9 (2.0)	Used for storing 1.8ml/2ml vial (81 holes)
monitoring system ITC-300N201 (N4.1) the liquid inlet system and excluding the wireless data transmission module Biobank freezer (smart type) YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), 8pcs of 15-tier rack (5*5), 12 pcs of 15-tier rack (9*9), 120pcs of cryo boxes for 2ml vial (5*5), 180pcs of cryo boxes for 2ml vial (9*9), 1 set of cryosmart (level monitoring system) Biobank freezer YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional Biobank freezer YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional Dask (vartical type) EDC I=25=15 Used for storing 5*5 cryoboxes (2ml), Fifteen layers in total, suitable for		Plastic cryo box	10*10 (2.0)	Used for storing 1.8ml/2ml vial (interally threaded, 100 holes)
Biobank freezer (smart type) YDD-450-326/PT 15-tier rack (9*9), 120pcs of cryo boxes for 2ml vial (5*5), 180pcs of cryo boxes for 2ml vial (9*9), 1 set of cryosmart (level monitoring system) Biobank freezer YDD-450-326/PT Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional Deak (vartical type) EDC I=25=15 Used for storing 5*5 cryoboxes (2ml), Fifteen layers in total, suitable for			ITC-800N201 (N4.1)	Suitable for all capacitive measurement of gas phase liquid nitrogen containers, including the liquid inlet system and excluding the wireless data transmission module
Biobank freezer YDD-450-526/P1 system are optional Deal/ (vertical type) EDC I=25-15 Used for storing 5*5 cryoboxes (2ml), Fifteen layers in total, suitable for			YDD-450-326/PT	15-tier rack (9*9), 120pcs of cryo boxes for 2ml vial (5*5), 180pcs of cryo boxes for 2ml vial
Deals (visiting) EDC -25-15		Biobank freezer	YDD-450-326/PT	
1DD-430/1000/1800 (excluding cryoboxes)		Rack (vertical type)	FDCJ-25-15	Used for storing 5*5 cryoboxes (2ml), Fifteen layers in total, suitable for YDD-450/1000/1800 (excluding cryoboxes)
YDD-450-326/ PT (21K) Rack (vertical type) FDCJ-81-15 Used for storing 9*9 cryoboxes (2ml), Fifteen layers in total, suitable for YDD-450/1000/1800 (excluding cryoboxes)		Rack (vertical type)	FDCJ-81-15	Used for storing 9*9 cryoboxes (2ml), Fifteen layers in total, suitable for YDD-450/1000/1800 (excluding cryoboxes)
Plastic cryo box 5*5 (2.0) Used for storing 1.8ml/2ml vial (25 holes)		Plastic cryo box	5*5 (2.0)	Used for storing 1.8ml/2ml vial (25 holes)
Plastic cryo box 9*9 (2.0) Used for storing1.8ml/2ml vial (81 holes)		Plastic cryo box	9*9 (2.0)	Used for storing1.8ml/2ml vial (81 holes)
Plastic cryo box 10*10 (2.0) Used for storing 1.8ml/2ml vial (interally threaded, 100 holes)		Plastic cryo box	10*10 (2.0)	Used for storing 1.8ml/2ml vial (interally threaded, 100 holes)
Cryosmart level monitoring system ITC-800N201(N4.1) Suitable for all capacitive measurement of gas phase liquid nitrogen containers, including the liquid inlet system and excluding the wireless data transmission module			ITC-800N201(N4.1)	

Model	Product	Model			
Model	Product	Model			
	Biobank freezer (smart type)	YDD-550-445/PM	Includes v 10-tier ra (9*9), 1 se		
	Biobank freezer	YDD-550-445/PM	Includes v system ar		
	Rack (vertical type)	FDCJ-25-10	Used for s (excluding		
YDD-550-445/ PM (27K)	Rack (vertical type)	FDCJ-81-10	Used for s (excluding		
	Plastic cryo box	5*5 (2.0)	Used for s		
	Plastic cryo box	9*9(2.0)	Used for s		
	Plastic cryo box	10*10(2.0)	Used for s		
	Cryosmart level monitoring system	ITC-800N201 (N4.1)	Suitable f		
	Biobank freezer (smart type)	YDD-750-445/PM	Includes v 14-tier ra (9*9), 1 se		
	Biobank freezer	YDD-750-445/PM	Includes \ system ar		
YDD-750-445/PM	Rack (vertical type)	FDCJ-25-14	Used for s (excluding		
(38K)	Rack (vertical type)	FDCJ-81-14	Used for s (excluding		
	Plastic cryo box	5*5 (2.0)	Used for s		
	Plastic cryo box	9*9 (2.0)	Used for s		
	Plastic cryo box	10*10 (2.0)	Used for s		
	Cryosmart level monitoring system	ITC-800N201 (N4.1)	Suitable for the liquid		
	Biobank freezer (Smart type)	YDD-850-465/PM	Includes v 13-tier ra 2ml vial, 1		
	Biobank freezer	YDD-850-465/PM	Includes \ system a		
	Rack (vertical type)	FDCJ-25-13	Used for s (excluding		
YDD-850-465/PM (43K)	Rack (vertical type)	FDCJ-81-13	Used for s (excluding		
	Plastic cryo box	5*5 (2.0)	Used for s		
	Plastic cryo box	9*9 (2.0)	Used for s		
	Plastic cryo box	10*10 (2.0)	Used for s		
	Cryosmart level monitoring system	ITC-800N201 (N4.1)	Suitable f		

Description and Accessories

s vacuum isolated hose (GRG-DN10/2.0), 12pcs of 10-tier rack (5*5), 24 pcs of rack (9*9), 120pcs of cryo boxes for 2ml vial (5*5), 240pcs of cryo boxes for 2ml vial set of cryosmart (level monitoring system)

s vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring are optional

r storing 5*5 cryoboxes (2ml), ten layers in total, suitable for YDD-350/550/1300 ng cryoboxes)

r storing 9*9 cryoboxes (2ml), Ten layers in total, Suitable for YDD-350/550/1300 ng cryoboxes)

r storing 1.8ml/2ml vial (25 holes)

storing1.8ml/2ml vial (81 holes)

storing 1.8ml/2ml vial (interally threaded, 100 holes)

for all capacitive measurement of gas phase liquid nitrogen containers, including d inlet system and excluding the wireless data transmission module

s vacuum isolated hose (GRG-DN10/2.0), 12pcs of 14-tier rack (5*5), 24 pcs of rack (9*9), 168pcs of cryo boxes for 2ml vial (5*5), 336pcs of cryo boxes for 2ml vial set of cryosmart (level monitoring system)

vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring are optional

r storing 5*5 cryoboxes (2ml), Fourteen layers in total, suitable for YDD-450/750 ng cryoboxes)

r storing 9*9 cryoboxes (2ml), Fourteen layers in total, suitable for YDD-450/750 ng cryoboxes)

r storing 1.8ml/2ml vial (25 holes)

storing1.8ml/2ml vial (81 holes)

r storing 1.8ml/2ml vial (interally threaded, 100 holes)

for all capacitive measurement of gas phase liquid nitrogen containers, including d inlet system and excluding the wireless data transmission module

s vacuum isolated hose (GRG-DN10/2.0), 4 pcs of 13-tier rack (5*5), 32 pcs of rack (9*9), 52pcs of cryo boxes (5*5) for 2ml vial, 416pcs of cryo boxes (9*9) for 1 set of cryosmart (level monitoring system)

s vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring are optional

storing 5*5 cryoboxes (2ml), Thirteen layers in total, suitable for YDD-850/1600 ng cryoboxes)

r storing 9*9 cryoboxes (2ml), Thirteen layers in total, suitable for YDD-850/1600 ng cryoboxes)

storing 1.8ml/2ml vial (25 holes)

r storing1.8ml/2ml vial (81 holes)

storing 1.8ml/2ml vial (interally threaded, 100 holes)

for all capacitive measurement of gas phase liquid nitrogen containers, including d inlet system and excluding the wireless data transmission module

Haier Biomedical Liquid Nitrogen Storage Solutions

Product List

Model	Product	Model	Description and Accessories
	Biobank freezer (Smart type)	YDD-1000-465/PT	Includes vacuum isolated hose (GRG-DN10/2.0), 16 pcs of 15-tier rack (5*5), 30 pcs of 15-tier rack (9*9), 240pcs of cryo boxes (5*5) for 2ml vial, 450pcs of cryo boxes (9*9) for 2ml vial, 1 set of cryosmart (level monitoring system)
	Biobank freezer	YDD-1000-465/PT	Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional
	Rack (vertical type)	FDCJ-25-15	Used for storing 5*5 cryoboxes (2ml), Fifteen layers in total, suitable for YDD-450/1000/1800 (excluding cryoboxes)
YDD-1000-465/PT (51K)	Rack (vertical type)	FDCJ-81-15	Used for storing 9*9 cryoboxes (2ml), Fifteen layers in total, suitable for YDD-450/1000/1800 (excluding cryoboxes)
	Plastic cryo box	5*5 (2.0)	Used for storing 1.8ml/2ml vial (25 holes)
	Plastic cryo box	9*9 (2.0)	Used for storing 1.8ml/2ml vial (81 holes)
	Plastic cryo box	10*10 (2.0)	Used for storing 1.8ml/2ml vial (interally threaded,100 holes)
	Cryosmart level monitoring system	ITC-800N201(N4.1)	Suitable for all capacitive measurement of gas phase liquid nitrogen containers, including the liquid inlet system and excluding the wireless data transmission module
	Biobank freezer (Smart type)	YDD-1300-635/PM	Includes vacuum isolated hose (GRG-DN10/2.0), 120 pcs of round rack, 240 pcs of ϕ 97mm canister (2 goblets included for each), 1 set of cryosmart (level monitoring system)
	Biobank freezer	YDD-1300-635/PM	Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional
	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)
YDD-1300-635/ PM (59K)	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	5*5 (2.0)	Used for storing 1.8ml/2ml vial (25 holes)
	Plastic cryo box	9*9 (2.0)	Used for storing 1.8ml/2ml vial (81 holes)
	Plastic cryo box	10*10 (2.0)	Used for storing 1.8ml/2ml vial (interally threaded, 100 holes)
	Cryosmart level monitoring system	ITC-800N201 (N4.1)	Suitable for all capacitive measurement of gas phase liquid nitrogen containers, including the liquid inlet system and excluding the wireless data transmission module
	Biobank freezer (Smart type)	YDD-1600-635/PM	Includes vacuum isolated hose (GRG-DN10/2.0), 468pcs of 7-tier blood bag rack for 50ml, 3276pcs of 50ml blood bag cryo box (4R9951), 1 set of cryosmart (level monitoring system)
	Biobank freezer	YDD-1600-635/PM	Includes vacuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system are optional
	Rack (vertical type)	FDCJ-25-13	Used for storing 5*5 cryoboxes (2ml), Thirteen layers in total, suitable for YDD-850/1600 (excluding cryoboxes)
YDD-1600-635/ PM (76K)	Rack (vertical type)	FDCJ-81-13	Used for storing 9*9 cryoboxes (2ml), Thirteen layers in total, suitable for YDD-850/1600 (excluding cryoboxes)
	Plastic cryo box	5*5 (2.0)	Used for storing 1.8ml/2ml vial (25 holes)
	Plastic cryo box	9*9 (2.0)	Used for storing 1.8ml/2ml vial (81 holes)
	Plastic cryo box	10*10 (2.0)	Used for storing 1.8ml/2ml vial (interally threaded, 100 holes)
	Cryosmart level monitoring system	ITC-800N201(N4.1)	Suitable for all capacitive measurement of gas phase liquid nitrogen containers, including the liquid inlet system and excluding the wireless data transmission module

Product List

YDD-1800

Model	Product	Model	
	Biobank freezer (Smart type)	YDD-1800-635/PT	Includes vacu 15-tier rack (vial, 1 set of c
	Biobank freezer	YDD-1800-635/PT	Includes vacu are optional
	Rack (vertical type)	FDCJ-25-15	Used for stor (excluding cr
/DD-1800-635/ PT (95K)	Rack (vertical type)	FDCJ-81-15	Used for stor (excluding cr
	Plastic cryo box	5*5 (2.0)	Used for stor
	Plastic cryo box	9*9 (2.0)	Used for stor
	Plastic cryo box	10*10 (2.0)	Used for stor
	Cryosmart level monitoring system	ITC-800N201 (N4.1)	Suitable for a liquid inlet sys
	Blood bag frame	DCJ-250-3	3 layers frame bag cassettes
	Blood bag frame	DCJ-250-4	4 layers frame bag cassettes
	Blood bag frame	DCJ-250-5	5 layers frame bag cassettes
	Blood bag frame	DCJ-25-6	6 layers frame bag cassettes
	Blood bag frame	DCJ-25-7	7 layers frame bag cassettes
	Blood bag frame	DCJ-25-8	8 layers frame bag cassettes
	Blood bag frame	DCJ-25-9	9 layers frame bag cassettes
	Blood bag frame	DCJ-50-6	6 layers frame bag cassettes
	Blood bag frame	DCJ-50-7	7 layers frame bag cassettes
	Blood bag frame	DCJ-50-8	8 layers frame bag cassettes
Other Racks	Blood bag frame	DCJ-50-9	9 layers frame bag cassettes
	Rack (vertical type)	FDCJ-25-5 (5.0)	Used for stori (excluding cry
	Rack (vertical type)	FDCJ-25-7 (5.0)	Used for stori YDD-450/750
	Rack (vertical type)	FDCJ-25-9 (5.0)	Used for stori (excluding cry
	Rack (vertical type)	FDCJ-81-5 (5.0)	Used for stori (excluding cry
	Rack (vertical type)	FDCJ-81-6 (5.0)	Used for stori (excluding cry
	Rack (vertical type)	FDCJ-81-7 (5.0)	Used for stori (excluding cry
	Rack (vertical type)	FDCJ-81-9 (5.0)	Used for stori YDD-450/750
	Rack (vertical type)	XDCJ-8-12	Used for stori
	Rack (vertical type)	XDCJ-8-9	Used for stori cryoboxes inc
	Round Rack	YDCJ-97-2	With 2 stainle goblets in tota YDD-350\YD

Description and Accessories

cuum isolated hose (GRG-DN10/2.0), 13 pcs of 15-tier rack (5*5), 60 pcs of < (9*9), 195pcs of cryo boxes (5*5) for 2ml vial, 900pcs of cryo boxes (9*9) for 2ml f cryosmart (level monitoring system)

cuum isolated hose (GRG-DN10/2.0), Rack and intelligent level monitoring system

oring 5*5 cryoboxes (2ml), Fifteen layers in total, suitable for YDD-450/1000/1800 ryoboxes)

oring 9*9 cryoboxes (2ml), Fifteen layers in total, suitable for YDD-450/1000/1800 cryoboxes)

pring 1.8ml/2ml vial (25 holes)

oring 1.8ml/2ml vial (81 holes)

pring 1.8ml/2ml vial (interally threaded, 100 holes)

all capacitive measurement of gas phase liquid nitrogen containers, including the system and excluding the wireless data transmission module

ne used for storing 250ml blood bag, each layer storing one blood bag, with blood es included. Suitable for YDD-350/550/1300

ne used for storing 250ml blood bag, each layer storing one blood bag, with blood es included. Suitable for YDD-850

ne used for storing 250ml blood bag, each layer storing one blood bag, with blood es included. Suitable for YDD-450/750/1000/1800

ne used for storing 25ml blood bag, each layer storing one blood bag, with blood es included. suitable for YDD-350/550/1300

e used for storing 25ml blood bag, each layer storing one blood bag, with blood es included. suitable for YDD-850/1600

ne used for storing 25ml blood bag, each layer storing one blood bag, with blood es included. suitable for YDD-450/750

ne used for storing 25ml blood bag, each layer storing one blood bag, with blood es included. suitable for YDD-1000/1800

ne used for storing 50ml blood bag, each layer storing one blood bag, with blood es included. suitable for YDD-350/550/1300

ne used for storing 50ml blood bag, each layer storing one blood bag, with blood es included. suitable for YDD-850/1600

ne used for storing 50ml blood bag, each layer storing one blood bag, with blood es included. suitable for YDD-450/750

ne used for storing 50ml blood bag, each layer storing one blood bag, with blood es included. suitable for YDD-1000/1800

ring 5*5 cryoboxes (5ml), five layers in total, suitable for YDD-350/550/1300 yoboxes)

ring 5*5 cryoboxes (5ml), seven layers in total, suitable for 50/850/1600 (excluding cryoboxes)

ring 5*5 cryoboxes (5ml), nine layers in total, suitable for YDD-1000/1800 voboxes)

ring 9*9 cryoboxes (5ml), Five layers in total, suitable for YDD-350/550 yoboxes)

ring 9*9 cryo boxes (5ml), 7 layers in total, suitable for YDD-370/1300 voboxes)

ring 9*9 cryoboxes (5ml), Seven layers in total, suitable for YDD-850/1600 yoboxes)

ring 9*9 cryoboxes (5ml), nine layers in total, suitable for 50/1000/1800 (excluding cryoboxes)

ring 8 holes aluminium cryoboxes (2ml), Twelve layers in total, with aluminium cluded. suitable for YDD-450/750/850/1600

ring 8 holes aluminium cryoboxes (2ml), Nine layers in total, with aluminium cluded. suitable for YDD-350/550/1300

less steel canisters (**φ**97/276mm), 4 plastic goblets SNT-97 and 2 pick up lifter for otal, the storage capacity for 0.5ml straw is 3016, suitable for DD-550\YDD-1300

Low Temperature Transport Trolley YDC-3000H **Mobile Cryogenic Transfer Operation Platform**

The unit can be used to preserve plasma and biomaterials during transportation. It is suitable for deep hypothermia operation and transportation of samples in hospitals, various biobanks and laboratories. High quality stainless steel in combination with the thermal insulation layer ensures the effectiveness and durability of the low temperature transport trolley.



Product Advantages

Touch Screen LCD touch operation

USB Data Export





User Friendly Design



Appearance Spray The appearance of s The appearance of spray, not easily affected by stains.



Polymer Materials

The new type of environmentally-friendly polymer material is used inside the cover plate, which is more appealing, more environment-friendly and more advanced than the commonly used pearl foam and polyurethane materials.

Technical Parameters

		Frozen Storage Space (L*W*H)(mm)	Liquid Nitrogen Under Tray (L)	Maximum Storage					
Product Model	Dimensions (L*W*H)(mm)			5*5 Freezing Boxes (ea)	10*10 Freezing Boxes (ea)	50ml Blood Bag Boxes (ea)	200ml Blood Bag Boxes (ea)	2ml Cryopreservation Tube (ea)	
YDC-3000H	1295*523*1095	900*335*163	33	65	30	105	50	3000	





Caster Design

Integrated design, universal caster at the bottom, easy to move.



The Insulation Cover can be Magnet Absorbed

The insulation cover can be magnet absorbed to the side of vehicle, which is convenient to extract, and the space reserved at the bottom can be used to store other tools.

Cryovial Transfer Flask BioT Air

BioT Air is suitable for small batch and short distance sample transportation in experimental units or hospitals. Lightweight, portable design, easy to easy to take.

•Lightweight design

Lightweight design, the total empty weight is only 2.8KG.

Multi-specification compatibilit

Compatible with 1.2ml, 1.5ml, 1.8ml, 2.0ml and 5.0ml sample cryopreservation tubes, and can also hold a 5*5-2ML cryopreservation box.

•High thermal insulation performance

Vacuum structure ensures the working temperature in the tank-135°C~-196°C, and the ultra-long low-temperature storage period.

•No liquid nitrogen overflow

There is a liquid nitrogen adsorption layer at the bottom, and even if the container is dumped during dry storage, there will be no liquid nitrogen overflow, thus ensuring the safety of samples and personnel.



Humanization Design

Condensate water inflow prevention structure

The specially designed upper cover can prevent condensate from flowing into the container and ensure the container cover to open smoothly.

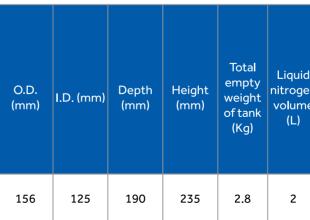
Liquid nitrogen splash prevention structure

Ensure that liquid nitrogen is not sprayed during transportation after the container is filled with liquid nitrogen, and it is safe to use.

Ultra-low temperature adsorption function

It is specially equipped with liquid nitrogen adsorption layer, and under special circumstances, the container pours liquid nitrogen out, which can also ensure the low temperature environment in a certain period of time and ensure the safety of samples.

Product Parameters











d en le	Storage time of liquid phase (h)	Storage time of gas phase (h)	Internal freezing tube capacity (2ml) (pcs)	Working temperature (°C)	Working environment (°C)
	8	6	55	-135~-196	-20~40

Cryovial Transfer Flask Bio-2T

Bio-2T is suitable for short-distance sample transportation in small batches in experimental units or hospitals. Lightweight, portable design, easy to take

•Lightweight design

Lightweight design of the product, the total empty weight is only 3kg

Temperature visualization

Visual real-time temperature monitoring, and the instrument part is dustproof and waterproof

Multi-specification compatibility

Compatible with 1.2m, 1.5m, 1.8m, 2.0m and 5.0ml sample storage tubes

•High thermal insulation performance

Vacuum structure, thickened thermal insulation material, ensuring the working temperature in the tank -135°C~-196°C, and ultra-long low-temperature storage period



Humanization Design

Condensate water inflow prevention structure

The specially designed upper cover can prevent condensate from flowing into the container and ensure the container cover to open smoothly.

Liquid nitrogen splash prevention structure

Ensure that liquid nitrogen is not sprayed during transportation after the container is filled with liquid nitrogen, and it is safe to use.

No liquid nitrogen overflow

With liquid nitrogen adsorption layer at the bottom, even if the container falls down during dry storage, there will be no liquid nitrogen overflow, which ensures the safety of samples and personnel.

Product Parameters

O.D. (mm)	I.D. (mm)	Depth (mm)	Height (mm)	Total empty weight of tank (Kg)	nitrogen	liquid	Storage time of gas phase (h)	tubo	working	Working environment (°C)
156	125	190	265	3	2	8	6	54	-135~-196	-20~40









Intelligent Liquid Nitrogen Biological Container

It is suitable for the deep and low temperature storage of plasma, cell tissues and various biological samples in hospitals, laboratories, scientific research institutes, disease control centers, various databases and other places.

•Easier access

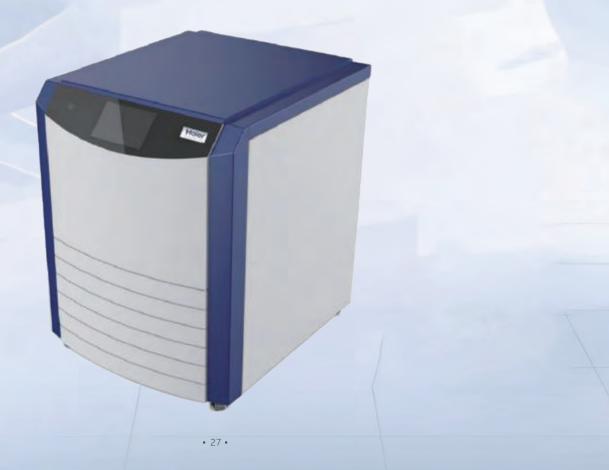
With the full opening design on the top of product and hydraulic uncapping, it saves energy and is easier for storing and taking sample.

Brand new intelligent monitoring system

It's equipped with the brand-new intelligent monitoring system and matched with IoT module which can connect with the Haier's big data cloud platform to realize the remote data transmission. Integrating three screens, it can realize the remote alarm via APP, e-mail and other ways.

•Reduce frosting and freezing

The brand-new cover and interlayer exhaust structure can effectively reduce the frosting and freezing at exhaust port.



Personalized Design

•Safe

24V DC voltage makes electricity safer.

Double lock and double control design, the sample storage is safer. The liquid nitrogen filter can effectively reduce impurities and prolong the service life of the whole machine.

Convenient

With USB interface, it supports data export. Bottom caster, easy to move, with adjustable back brake, easy to fix and stabilize. With larger battery capacity, it can still be used after power failure.

Experience Feeling

Haier's family-style design is more three-dimensional and beautiful.

The advantage of operating screen position effectively reduces the influence of opening low temperature and improves the stability.

The advantage of operatinLCD touch screen, integrated design, not easy to dust.g screen position effectively reduces the influence of opening low temperature and improves the stability.

Product Parameters

Product Model	Temperature (°C)	Volume (L)	Overall dimensions (L*W*H)(mm)	Weight (KG)	I.D. (mm)
CryoBio 34Z	-196~ normal temperature	550	1100*1410*1190	400	φ1000

Storage State	2ml internal-rotation freezing tube	Number of frozen shelf layers	Number of 5*5 frozen shelves	Number of 5*5 freezer boxes	Number of 10*10 frozen storage racks	Number of 10*10 freezer boxes
Gas Phase	33550	11	10	110	28	308
Liquid Phase	42900	13	8	104	31	403

Haier Biomedical Liquid Nitrogen Storage Solutions

Smart Series (Square Racks)

The smart, IoT and cloud management system monitors temperature and liquid levels simultaneously to provide accurate and real-time information on the critical parameters to ensure ultimate sample safety.

- IoT and Cloud Management
- Multiple Level of Protections
- Low Energy Consumption
- Temperature and Level Display

- Updated Design
- High Performance Stability
- New Lock Design



Key Features

- 5 models from 2,400 to 6,000 cryovial capacity
- 5 years vacuum warranty
- Durable aluminium construction
- Real time monitor of temperature and level

Product Advantages

Colour identification for Rack handles

Rack handles are colour-coded for ease of separating storage zones and managing samples.

Double lock and double control design

open at the same time to ensure sample safety.







Multilayer protection for ultimate safety

Temperature and level are monitored in real time to safeguard the storage environment. Alarms can be transmitted through email, IM and wechat.

Low consumption rate and high performance stability

Automated manufacture ensures build quality and reliable vacuum which delivers stable and uniform temperature performance as well as low LN₂ consumption rates.

Accessories



- Cloud data storage for traceability
- Low consumption rate and high performance stability
- New lock design

The new double lock and double control design requires two people to

Dual monitoring respectively for temperature and liquid level

Storage temperature and liquid level are automatically monitored by a high precision controller. Accurate and real-time information ensures samples safety.









Technical Parameters

Model	YDS-65-216-FZ	YDS-95-216-FZ	YDS-115-216-FZ	YDS-145-216-FZ	YDS-175-216-FZ			
Maximum Storage Volume	Maximum Storage Volume							
No. of Rack	6	6	6	6	6			
2ml Storage Vials (100/box)	2400	3000	3600	4800	6000			
Layers in Rack	4	5	6	8	10			
5ml Storage Vials (81/box)		972	1458	1944	2430			
Layers in Rack		2	3	4	5			
Function								
Liquid Nitrogen Volume (L)	65	95	115	145	175			
Static Evapouration Rate* (L/D)	0.78	0.94	0.94	0.94	0.95			
Static Holding Time** (Day)	83	101	122	154	184			
Dimensions								
Neck Opening (mm)	216	216	216	216	216			
Overall Height (mm)	760	825	895	995	1110			
Overall Diameter (mm)	681	681	681	681	681			
Empty Weight (kg)	39.3	42.7	43.3	49.9	54.8			
Full Weight (kg)	81.5	112.3	133.5	158.9	199.5			
Shipping Weight (kg)	63.8	67.9	71.2	82.1	91.3			

* Static evapouration and static holding time are theoretical values. Actual evapouration and holding time are affected by usage, atmospheric conditions and manufacturing tolerances.

** Static Holding Time: the amount of days it takes for all of the LN to evapourate out after container is filled with liquid nitrogen to pre-cool and reach thermal equilibrium and the liquid nitrogen filling rate reaches 100% under standard atmospheric condition.

Product List

Model	Product	Model	Description and Accessories
YDS-65-216	Smart liquid nitrogen container (smart series)	YDS-65-216-FZ	Includes 6 racks (4-tier), cryoboxes (9*9), lockable cap, roller base is optional
YDS-95-216	Smart liquid nitrogen container (smart series)	YDS-95-216-FZ	Includes 6 racks (5-tier), cryoboxes (9*9), lockable cap, roller base is optional
YDS-115-216	Smart liquid nitrogen container (smart series)	YDS-115-216-FZ	Includes 6 racks (6-tier), cryoboxes (9*9), lockable cap, roller base is optional
YDS-145-216	Smart liquid nitrogen container (smart series)	YDS-145-216-FZ	Includes 6 racks (8-tier), cryoboxes (9*9), lockable cap, roller base is optional
YDS-175-216	Smart liquid nitrogen container (smart series)	YDS-175-216-FZ	Includes 6 racks (10-tier), cryoboxes (9*9), lockable cap, roller base is optional
YDS-175-216	Roller Base	YSC-685-5W	Suitable for all 65L-175L aluminium tank, equipped with 5 universal wheels



Haier Biomedical Liquid Nitrogen Storage Solutions

Key Features

- Heavy duty lockable enclosure offers excellent security
- Compatible with all major cryobox brands
- Durable aluminium construction
- Temperature monitoring available

- Liquid or vapour phase option available
- High thermal efficiency
- 5 year vacuum warranty
- Ultra-low evapouration loss

Product Advantages

ULT Storage with Extremely Low LN₂ Evapouration Loss

Freezer racks are in the ultra-low temperature environment with extremely low LN₂ evapouration. Even stored in vapour phase, the temperature will be below -190°C for a long time.

Advanced Vacuum Technology and Superinsulation Technology

Advanced vacuum and insulation technologies ensure cryopreser-vation for up to four months.

Suitable for blood bag applications, the

racks can be adapted to provide temporary blood bag storage before transferring bags to larger LN2 storage tanks.

Compatible for Blood Bag Storage







Liquid Nitrogen Temperature Detector

The temperature monitor provides continuous and reliable monitoring of the temperature in the container. It is the ideal choice for long-term monitoring of sample storage temperature and reminding users to add liquid nitrogen.

The temperature monitor ZTC-100A has real-time temperature display function, and can also provide the following alarms:

* Over temperature alarm

* Sensor error acousto-optic alarm



Technical Parameters

Model	YDS-65-216-F	YDS-95-216-F	YDS-115-216-F	YDS-145-216-F	YDS-175-216-F
Maximum Storage Capaci	ty				
No. of Rack	6	6	6	6	6
No. 2.0 ml Cryovials (100 / Box)	2400	3000	3600	4800	6000
No. of Boxes in (2ml each Rack)	4	5	6	8	10
No. 5.0 ml Cryovials (81/Box)	-	972	1458	1944	2430
No. of Boxes in (5ml each Rack)	-	2	3	4	5
Performance	·	•	·	·	
Volume of LN ₂ (L)	65	95	115	145	175
Static Evapouration Rate* (L/Day)	0.78	0.94	0.94	0.94	0.95
Static Holding Time** (Day)	83	101	122	154	184
Dimensions					
Neck Opening Diameter (mm)	216	216	216	216	216
Height (mm)	712	774	846	946	1060
Outer Diameter (mm)	681	681	681	681	681
Empty Weight (kg)	38.3	41.3	42.3	48.9	53.8
Full Weight (kg)	80.8	112.4	132.8	157.3	198.5
Shipping Weight (kg)	61.8	65.9	72.9	80.1	89.2

manufacturing tolerances.

** Static Holding Time: the amount of days it takes for all of the LN to evapourate out after container is filled with liquid nitrogen to pre-cool and reach thermal equilibrium and the liquid nitrogen filling rate reaches 100% under standard atmospheric condition.

Accessories



Product List

YDS-115-216 Rack FTT-81-3 (5.0) Used for storing 9*9 cryo boxes(5mil), 3 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-210 Roller Base YSC-685-5W Suitable for all 65L-175L aluminium tank, equipped with 5 universal wheels SmartCap LT-216-450-6H660 Used for monitoring real time level and temperature for containers with 216mm neck opening, 6 grooves and 660mm height, suitable for YDS-115-216 Cork (216) GS-216-220-7 Suitable for YDS-65-216/YDS-95-216/YDS-145-216/YDS-145-216/YDS-175-216/YD Lockable cap SG-216 Suitable for container with 216mm neck opening Liquid Nitrogen container YDS-145-216-F (5.0) Includes 6 racks for 5ml, 3 layers in total, 18pcs of 5ml 9*9 cryo boxes and lockable cap included, no PU bag, roller base is optional Liquid Nitrogen container YDS-145-216-F Includes 6 racks (6 layers), 9*9 cryoboxes, lockable cap, no PU bag, roller base is optional Liquid Nitrogen container YDS-145-216-F Includes 6 racks (6 layers), 9*9 cryoboxes, lockable cap, no PU bag, roller base is optional YDS-145-216 Rack FTT-81-8 Used for storing 9*9 cryo boxes (5ml), 5 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-216 YDS-145-216 Rack FTT-81-4 (5.0) Used for storing 9*9 cryo boxes (5ml), 3 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-21	Model	Product	Model	Description and Accessories
Image: Number of the second		Liquid Nitrogen container	YDS-65-216-F	Includes 6 racks (4 layers), 9*9 cryoboxes, lockable cap, no PU bag, roller base is optional
YDS-65-216 Roter lises YSC-85-59 Southele for al 65-175. dumnum tark, equipped with 3 universal wheels YDS-65-216 Roter lises YSC-85-59 Southele for al 65-175. dumnum tark, equipped with 3 universal wheels YDS-65-216 Cox (216) CS 216-220-7 Southele for x105-65-216705-115-216705-115-216705-115-216705-115-216705-115-216705-115-216705-115-216705-115-216705-115-216705-65-2167075-65-2167705-65-2167705-65-2167705-65-2167705-65-2167705-65-21		Liquid Nitrogen container	YDS-65-216S	Includes lockable cap, no rack, no PU bag
PDS 05 12.0 Descent of the transmission of transmissi transmissi transmission of transmissi transmission of transmissi	YDS-65-216	Rack	FTT-81-4	Used for storing 9*9 cryo boxes (2ml), 4 layers in total, with 9*9 cryo boxes included, suitable for YDS-65-216
VDS-15-216 Pack of the second se		Roller Base	YSC-685-5W	Suitable for all 65L-175L aluminium tank, equipped with 5 universal wheels
Under Hole USE 10: EV1 YP3-13-218/YP3-23-218 Locasabic cap SG-216 Satilate for container with 21dmm neck opening Lipsid Hirogen container YD5-95-216. Includes Freids (Sigerel), 9° cryoboxes. Iockable cap, no PU bag, role rokes and lockable cap included, no PU bag. Lipsid Hirogen container YD5-95-216. Includes Freids (Sigerel), 9° cryoboxes. Iockable cap, no PU bag, role rokes and lockable roke YDS-95-216 Rack FTT-81-5 VD5-95-216.5 Rack FTT-81-5 VD5-95-216.7 Cork (216) GS-216-220-7 Satilate for container with 216mm neck opening Cork (216) GS-216-220-7 Satilate for container with 216mm neck opening Lockable cap SG-216 Satilate for container with 216m neck opening Lockable cap SG-216-220-7 Satilate for container with 216m neck opening Lockable cap SG-216 Satilate for container wi		SmartCap	LT-216-340-6H530	
Unput Nergen container (S.MrVia) VDS 95-216-F(5.0) Includes Eracls for Sm. 2 layers in total. 12pcs of Sm 9*9 cryo boxes and lockable cap included, no PU bag. VDS-95-216 VDS 95-216-F(5.0) Includes Eracls for Sm. 2 layers in total. 12pcs of Sm 9*9 cryo boxes and lockable cap included, no PU bag. VDS-95-216 Rack FTT-81-5 Used for a total. Styreta. 9*9 cryoboxes. Lockable cap, no PU bag. Rack FTT-81-2 (5.0) Used for a total. Styreta. 9*1 cryoboxes. Included. stratable for VDS-95-2161252. 21618bis: cryoboxes included. Stratable for VDS-95-21610* Rack FTT-81-2 (5.0) Used for a total. 975.21618bis: cryoboxes included. Stratable for VDS-95-21610* Stratable for a total. 9*10:218; stratable for VDS-95-21610* Stratable for a total. 9*10:218; stratable for VDS-95-21610* Stratable for a total. 9*2 cryoboxes. Included. Stratable for VDS-95-21610* VDS-115-216 Lockable cap SC-216 Stratable for vDS-95-21670* Stratable for VDS-95-21670* Stratable cap. Included. no PU bag. VDS-115-216 Rack FTT-81-26 Used for storn 9*9 cryoboxes. Included cap. Included. stratable for VDS-115-216 Liquel Norogen container VDS-115-216 Includes for def storn 9*9 cryoboxes. Included. Stratable for VDS-115-216 Liquel Norogen container VDS-115-216		Cork (216)	GS-216-220-7	
YDS-95-216 (5.0m) Value YDS-95-216-F Includes for base is optional YDS-95-216-F YDS-95-216 Reck FTT-81-5 Usade for strong 9* 9-ryo boxes (2m), 5 legers in total, with 9*9 cryo boxes included suitable for YDS-95-21607-2517-251 Reck FTT-81-2 Usade for strong 9* 9-ryo boxes (2m), 5 legers in total, with 9*9 cryo boxes included, suitable for YDS-95-21607-2517-251 Rok FTT-81-2 Usade for al 661-175, 4 luminum tank, equipped with 5 universal wheels Simm height studie for YDS-95-21607-21617-21617 Usade for al 661-175, 4 luminum tank, equipped with 5 universal wheels Simm height studie for monotroing real time level and temperature for containers with 216mm neck opening, 6 grooves and Simm height studie for YDS-9-5167 Cork (216) GS-216-220-7 Suitable for undivide for Si-5216 WDS-115-216/YDS-145-216/		Lockable cap	SG-216	Suitable for container with 216mm neck opening
PUS-95-216 The Masket Target (Ministry 1996), 9 × Dipolocies, Lookable count of the Charget Cou			YDS-95-216-F (5.0)	
PDS-95-216 PTT-81-5 Used for storing 9° cryo boxes (2ml), Silvers in total, with 9°9 cryo boxes included, suitable for YDS-95-216/YDS		Liquid Nitrogen container	YDS-95-216-F	Includes 6 racks (5 layers), 9*9 cryoboxes, lockable cap, no PU bag, roller base is optional
YDS-95-216 FTT-81-2 (5.0) YDS-95-216/YDS-258-216 Rack FTT-81-2 (5.0) YDS-95-216/YDS-258-216/YDS-175-216/YDS		Liquid Nitrogen container	YDS-95-216S	Includes lockable cap, no rack, no PU bag
YDS-115-216 Reck FTT-81-2(5.0) YDS-65-216/P5-216/P1astc cryp-boxes included YDS-015-216 Roller Base YSC-685-5W Subble for al65L-175L aluminum tank, equipped with 5 universal wheels SmartCap LT-216-370-6H589 Subble for al65L-175L aluminum tank, equipped with 5 universal wheels Cork (216) GS-216-220-7 Subble for YDS-95-216 Subble for YDS-95-216/YDS-115-216/YDS-115-216/YDS-115-216/YD Lockable cap SG-216 Subble for container with 216mm neck opening Includes 6 racks for 3m.13 kyers in total. 18pcs of 3ml 9*9 cryo boxes and lockable cap included, no PU beg. Lipuid Ntrogen container YDS-115-216-F Includes 6 racks (6 layers), 9*9 cryoboxes, lockable cap, no PU bag, roler base is optional Lipuid Ntrogen container YDS-115-215 Includes 6 racks (6 layers), 9*9 cryoboxes, lockable cap, no PU bag, roler base is optional Lipuid Ntrogen container YDS-115-216 Includes for storing 9*0 cryo boxes (2ml, 6 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-21 Rack FTT-81-3 (5.0) Used for storing 9*0 cryo boxes (2ml, 6 layers in total, with 9*0 cryo boxes included, suitable for YDS-115-21 Roler Base YSC-685-5W Suitable for 205-216/YDS-95-216/YDS-115-216/YDS-115-216 Roler Cap SG-216-220-7 Subbalable for YDS-		Rack	FTT-81-5	Used for storing 9*9 cryo boxes (2ml), 5 layers in total, with 9*9 cryo boxes included,suitable for YDS-95-216/YDS-25H-216
Mach FTT-81-3 (Source) Used for monitoring real time level and temperature for containers with 216mm neck opening. 6 grooves and source the rVDS-95-218 YDS-115-216 Cork (216) GS-216-220-7 Subtemperature for Containers with 216mm neck opening. 6 grooves and source the rVDS-95-218 YDS-115-216 Lockable cap SG-216 Subtemperature for Container with 216mm neck opening. 6 grooves and lockable cap included, no PU bag. Container YDS-115-216 Lockable cap SG-216 Subtemperature for Container with 216mm neck opening. 6 grooves and lockable cap included, no PU bag. Container YDS-115-216 Includes Fracks (G symt.) 9 grophoxes. lockable cap. no PU bag. Collect and the rest opening. 7 grophoxes included. subtemperature for Container YDS-115-216 Rack FTT-81-6 Used for storing 9 grophoxes. Collect and the rule rest opening. 6 grooves and Source and	YDS-95-216	Rack	FTT-81-2 (5.0)	Used to store 5ml cryo boxe s(9*9). 2 layers in total, 9*9 cryo boxes included, suitable for YDS-65-216/95-216(Plastic cryo boxes included)
YDS-115-216 Cark (216) GS-216-220-7 Suitable for YDS-65-216/YDS-115-216/YDS-145-216/YDS-175-216/Y Lockable cap SG-216 Suitable for YDS-65-216/YDS-115-216/YDS-145-216/YDS-175-216/Y Liquid Nitrogen container YDS-115-216-F (5.0) Includes 6 racks for 5ml, 3 layers in total, 18pcs of 5ml 9*9 cryo boxes and lockable cap, ino PU bag, order base is optional Liquid Nitrogen container YDS-115-216-F Includes 6 racks (6 layers), 9*9 cryo boxes, lockable cap, no PU bag, order base is optional Liquid Nitrogen container YDS-115-216 Includes 6 racks (6 layers), 9*9 cryo boxes, lockable cap, no PU bag, order base is optional Liquid Nitrogen container YDS-115-216 Includes for atoring 9*9 cryo boxes (2ml, 6 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-211 Rack FTT-81-3 (5.0) Used for at 651-1751, aluminium tank, equipped with 5 universal wheels SmartCap LT-216-450-6H660 Used for container with 216mm neck opening, 6 grooves and lockable cap. Cork (216) GS-216-220-7 Suitable for COS-115-216/YDS-115-		Roller Base	YSC-685-5W	Suitable for all 65L-175L aluminium tank, equipped with 5 universal wheels
Production DH-15-216/PDH-25-216 Lockable cap SG-216 Suitable for container with 216mm neck opening Liquid Nitrogen container YDS-115-216-F (5.0) Includes 6 racks for 5ml, 3 layers in total, 18pcs of 5ml 9*9 cryo boxes and lockable cap included, no PU bag, 14puid Nitrogen container YDS-115-216 Includes 6 racks (6 layers), 9*9 cryo boxes, lockable cap, no PU bag, roller base is optional Liquid Nitrogen container YDS-115-216.F Includes 6 racks (6 layers), 9*9 cryo boxes, lockable cap, no PU bag, roller base is optional Rack FTT-81-6 Used for storing 9*9 cryo boxes (2ml), 6 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-211 Rack FTT-81-6 Used for storing 9*9 cryo boxes (2ml), 6 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-211 Roller Base YSC-685-5W Suitable for vDS-65-216/YDS-95-216/YDS-915-216 Roller Base YSC-685-5W Suitable for YDS-15-216 Cork (216) GS-216-220-7 Suitable for YDS-15-216 Cork (216) GS-216-220-7 Suitable for YDS-15-216/YDS-15-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YD Liquid Nitrogen container YDS-145-216-F (5.0) Includes 6 racks for 5rml, 3 layers in total, 18pcs of 5rml 9*9 cryo boxes and lockable cap included. no PU bag, roller		SmartCap	LT-216-370-6H580	
VDS-115-216 Control Contro Control Control		Cork (216)	GS-216-220-7	
YDS-115-216 (1.05/11/2:10/10.0) roller base is optional reference reference <threference< th=""> reference <threference< th=""> <threference< th=""> re</threference<></threference<></threference<>		Lockable cap	SG-216	Suitable for container with 216mm neck opening
YDS-115-216 Liquid Nitrogen container YDS-115-216 Includes brack (Valges), 57 Clydoxlass, tockable cap, not obag, foller data stophola YDS-115-216 Rack FTT-81-6 Used for storing 9*9 cryo boxes (2ml), 6 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-21 Rack FTT-81-6 Used for storing 9*9 cryo boxes (2ml), 6 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-21 Rack FTT-81-3 (5.0) Used for storing 9*9 cryo boxes (2ml), 6 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-21 Roller Base YSC-685-5W Suitable for all 65L-175L aluminium tank, equipped with 5 universal wheels SmartCap LT-216-450-6H660 Used for container with 216rm neck opening, 6 grooves and 660rm molight, suitable for YDS-115-216 Cork (216) GS-216-220-7 Suitable for container with 216rm neck opening Dire 15-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216/YDS-145-216 Liquid Nitrogen container YDS-145-216-F Includes for storing 9*9 cryo boxes (2ml), 6 layers in total, 18pcs of 5ml 9*9 cryo boxes included, suitable for YDS-115-216 Uiquid Nitrogen container YDS-145-216-F Includes for storing 9*9 cryo boxes (2ml), 6 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-216			YDS-115-216-F (5.0)	
PDS-115-216 Rack FTT-81-6 Used for storing 9*9 cryo boxes (2ml), 6 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-21. Rack FTT-81-3 (5.0) Used for storing 9*9 cryo boxes (2ml), 3 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-21. Roller Base YSC-685-5W Suitable for all 65L-175L aluminium tank, equipped with 5 universal wheels SmartCap LT-216-450-6H660 Used for romotioning real time level and temperature for containers with 216mm neck opening, 6 grooves and 660m meight, suitable for YDS-115-216 Cork (216) GS-216-220-7 Suitable for YDS-65-216/YDS-95-216/YDS-115-216/YDS-145-216/YDS-115-216 YDS-145-216 Includes 6 racks (6 layers), 9*9 cryo boxes, lockable cap, no PU bag, roller base is optional Liquid Nitrogen container YDS-145-216 Includes 6 racks (6 layers), 9*9 cryo boxes, lockable cap, no PU bag, roller base is optional VDS-145-216 Rack FTT-81-8 Used f		Liquid Nitrogen container	YDS-115-216-F	Includes 6 racks (6 layers), 9*9 cryoboxes, lockable cap, no PU bag, roller base is optional
YDS-115-216 Rack FTT-81-3 (5.0) Used for storing 9*9 cryo boxes(5ml), 3 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-21 Roller Base YSC-685-5W Suitable for all 65L-175L aluminium tank, equipped with 5 universal wheels SmartCap LT-216-450-6H660 Used for monitoring real time level and temperature for containers with 216mm neck opening. 6 grooves and 650mm height, suitable for YDS-115-216 Cork (216) GS-216-220-7 Suitable for CortArDS-115-216/YDS-115-216/YDS-175-216/YDS-115-216 Liquid Nitrogen container YDS-145-216-F (5.0) Includes 6 racks (6 layers), 9*9 cryoboxes, lockable cap, no PU bag, roller base is optional Liquid Nitrogen container YDS-145-216-F Includes 6 racks (6 layers), 9*9 cryoboxes, lockable cap, no PU bag, roller base is optional Liquid Nitrogen container YDS-115-216 Includes lockable cap, no rack, no PU bag Rack FTT-81-8 YDS-115-216 Rack FTT-81-4 (5.0) Used for storing 9*0 cryo boxes (5ml), 3 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-216 Roller Base YSC-685-5W Suitab		Liquid Nitrogen container	YDS-115-216S	Includes lockable cap, no rack, no PU bag
Mack F11-81-3 (5.0) Used for storing 9*9 cryo boxes (5ml). 3 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-21 Roller Base YSC-685-5W Suitable for all 65L-175L aluminium tank, equipped with 5 universal wheels SmartCap LT-216-450-6H660 Used for monitoring real time level and temperature for containers with 216mm neck opening, 6 grooves and 660mm height. suitable for YDS-115-216 Cork (216) GS-216-220-7 Suitable for YDS-95-216/YDS-95-216/YDS-115-216/YDS-145-216/YDS-145-216/YD Lockable cap SG-216 Suitable for COS-65-2216/YDS-95-216/YDS-95-216/YDS-145-216/YDS-145-216/YD Lockable cap SG-216 Suitable for COS-65-2216/YDS-95-216/YDS-95-216/YDS-145-216/YDS-145-216/YD Lockable cap SG-216 Suitable for COS-65-2216/YDS-95-216/YDS-95-216/YDS-115-216/YDS-145-216/YD Lockable cap SG-216 Suitable for COS-65-2216/YDS-95-216/YDS-95-216/YDS-95-216/YDS-115-216/YDS-145-216/YD Lockable cap SG-216 Suitable for COS-115-216 Includes 6 racks for 5ml, 3 layers in total, 18pcs of 5ml 9*9 cryo boxes and lockable cap included, no PU bag, roller base is optional Liquid Nitrogen container YDS-145-216-F Includes 6 racks (6 layers), 9*9 cryo boxes, lockable cap, no PU bag, roller base is optional Liquid Nitrogen container YDS-145-2165 Includes for toring 9*9 cryo boxes (2ml), 6 layers in total, with 9*9 cryo boxes included,		Rack	FTT-81-6	Used for storing 9*9 cryo boxes (2ml), 6 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-216
YDS-145-216 Liquid Nitrogen container YDS-145-216 Includes of actor Set of strong 9*9 cryo boxes Set of strong 9*0 cryo boxes S	YDS-115-216	Rack	FTT-81-3 (5.0)	Used for storing 9*9 cryo boxes(5ml), 3 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-216
YDS-145-216 Ent Profession of the second of th		Roller Base	YSC-685-5W	Suitable for all 65L-175L aluminium tank, equipped with 5 universal wheels
PH-15-216/YDH-25-216 Lockable cap SG-216 Suitable for container with 216mm neck opening Liquid Nitrogen container YDS-145-216-F (5.0) Includes 6 racks for 5ml, 3 layers in total, 18pcs of 5ml 9*9 cryo boxes and lockable cap included, no PU bag, roller base is optional Liquid Nitrogen container YDS-145-216-F (5.0) Includes 6 racks (6 layers), 9*9 cryoboxes, lockable cap, no PU bag, roller base is optional Liquid Nitrogen container YDS-145-216S Includes 6 racks (6 layers), 9*9 cryoboxes, lockable cap, no PU bag, roller base is optional Liquid Nitrogen container YDS-145-216S Includes for storing 9*9 cryo boxes (2ml), 6 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-216 Rack FTT-81-8 Used for storing 9*9 cryo boxes (5ml), 3 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-216 Roller Base YSC-685-5W Suitable for all 65L-175L aluminium tank, equipped with 5 universal wheels SmartCap LT-216-570-6H770 Used for monitoring real time level and temperature for containers with 216mm neck opening, 6 grooves and 660mm height, suitable for YDS-115-216 Cork (216) GS-216-220-7 Suitable for YDS-65-216/YDS-95-216/YDS-145-216/YD		SmartCap	LT-216-450-6H660	Used for monitoring real time level and temperature for containers with 216mm neck opening, 6 grooves and 660mm height, suitable for YDS-115-216
YDS-145-216 Liquid Nitrogen container YDS-145-216-F (5.0) Includes 6 racks for 5ml, 3 layers in total, 18pcs of 5ml 9*9 cryo boxes and lockable cap included, no PU bag, roller base is optional YDS-145-216 Liquid Nitrogen container YDS-145-216-F Includes 6 racks (6 layers), 9*9 cryoboxes, lockable cap, no PU bag, roller base is optional Rack FTT-81-8 Used for storing 9*9 cryo boxes (2ml), 6 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-216 Rack FTT-81-4 (5.0) Used for storing 9*9 cryo boxes (5ml), 3 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-216 Rack FTT-81-4 (5.0) Used for storing 9*9 cryo boxes (5ml), 3 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-216 Roller Base YSC-685-5W Suitable for all 65L-175L aluminium tank, equipped with 5 universal wheels SmartCap LT-216-570-6H770 Used for monitoring real time level and temperature for containers with 216mm neck opening, 6 grooves and 660mm height, suitable for YDS-115-216 Cork (216) GS-216-220-7 Suitable for YDS-65-216/YDS-95-216/YDS-115-216/YDS-145-216/YDS-175-216/Y-DH-15-216/YDS-145-21		Cork (216)	GS-216-220-7	
YDS-145-216 (5.0mi Viai) YDS-145-216-F (5.0) roller base is optional Liquid Nitrogen container YDS-145-216-F Includes 6 racks (6 layers), 9*9 cryoboxes, lockable cap, no PU bag, roller base is optional Liquid Nitrogen container YDS-145-216S Includes lockable cap, no rack, no PU bag Rack FTT-81-8 Used for storing 9*9 cryo boxes (2ml), 6 layers in total, with 9*9 cryo boxes included, suitable for YDS-145-216 Rack FTT-81-4 (5.0) Used for storing 9*9 cryo boxes (2ml), 3 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-216 Rack FTT-81-4 (5.0) Used for storing 9*9 cryo boxes (5ml), 3 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-216 SmartCap LT-216-570-6H770 Used for monitoring real time level and temperature for containers with 216mm neck opening, 6 grooves and 660mm height. suitable for YDS-115-216 Cork (216) GS-216-220-7 Suitable for YDS-65-216/YDS-95-216/YDS-115-216/YDS-145		Lockable cap	SG-216	Suitable for container with 216mm neck opening
YDS-145-216 Includes of def (stager), p = 5 et ydocket, foctable cdp, nor edg, not edg, nor		Liquid Nitrogen container (5.0ml Vial)	YDS-145-216-F (5.0)	
PDS-145-216 Rack FTT-81-8 Used for storing 9*9 cryo boxes (2ml), 6 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-216 Rack FTT-81-4 (5.0) Used for storing 9*9 cryo boxes (5ml), 3 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-216 Roller Base YSC-685-5W Suitable for all 65L-175L aluminium tank, equipped with 5 universal wheels SmartCap LT-216-570-6H770 Used for romitoring real time level and temperature for containers with 216mm neck opening, 6 grooves and 660mm height, suitable for YDS-115-216 Cork (216) GS-216-220-7 Suitable for YDS-65-216/YDS-95-216/YDS-145-216/YDS-145-216/YDS-175-216/Y-DH-15-216/YDH-25-216		Liquid Nitrogen container	YDS-145-216-F	Includes 6 racks (6 layers), 9*9 cryoboxes, lockable cap, no PU bag, roller base is optional
YDS-145-216 Rack FTT-81-4 (5.0) Used for storing 9*9 cryo boxes (5ml), 3 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-216 Roller Base YSC-685-5W Suitable for all 65L-175L aluminium tank, equipped with 5 universal wheels SmartCap LT-216-570-6H770 Used for monitoring real time level and temperature for containers with 216mm neck opening. 6 grooves and 660mm height, suitable for YDS-115-216 Cork (216) GS-216-220-7 Suitable for YDS-65-216/YDS-95-216/YDS-115-216/YDS-145-216/YDS-175-216/Y-DH-15-216/YDH-25-216		Liquid Nitrogen container	YDS-145-216S	Includes lockable cap, no rack, no PU bag
Rack YDS-115-216 Roller Base YSC-685-5W SmartCap LT-216-570-6H770 Used for monitoring real time level and temperature for containers with 216mm neck opening. 6 grooves and 660mm height, suitable for YDS-115-216 Cork (216) GS-216-220-7 Suitable for YDS-65-216/YDS-95-216/YDS-115-216/YDS-145-216/YDS-175-216/Y-DH-15-216/YDH-25-216		Rack	FTT-81-8	Used for storing 9*9 cryo boxes (2ml), 6 layers in total, with 9*9 cryo boxes included, suitable for YDS-115-216
SmartCap LT-216-570-6H770 Used for monitoring real time level and temperature for containers with 216mm neck opening, 6 grooves and 660mm height. suitable for YDS-115-216 Cork (216) GS-216-220-7 Suitable for YDS-65-216/YDS-95-216/YDS-115-216/YDS-145-216/YDS-175-216/Y-	YDS-145-216	Rack	FTT-81-4 (5.0)	
Sinal Cdp 660mm height. suitable for YDS-115-216 Cork (216) GS-216-220-7 Suitable for YDS-65-216/YDS-95-216/YDS-115-216/YDS-145-216/YDS-175-216/YD		Roller Base	YSC-685-5W	Suitable for all 65L-175L aluminium tank, equipped with 5 universal wheels
Cork (216) 05 210 220 7 DH-15-216/YDH-25-216		SmartCap	LT-216-570-6H770	Used for monitoring real time level and temperature for containers with 216mm neck opening, 6 grooves and 660mm height. suitable for YDS-115-216
Lockable cap SG-216 Suitable for container with 216mm neck opening		Cork (216)	GS-216-220-7	
		Lockable cap	SG-216	Suitable for container with 216mm neck opening

Product List

Model	Product	Model	1
	Liquid Nitrogen container (5.0ml Vial)	YDS-175-216-F (5.0)	Includes 6 racks roller base is op
′DS-175-216	Liquid Nitrogen container	YDS-175-216-F	Includes 6 racks
	Liquid Nitrogen container	YDS-175-216S	Includes lockabl
	Rack	FTT-81-10	Used for storing YDS-175-216
05-175-210	Rack	FTT-81-5 (5.0)	Used for storing
	Roller Base	YSC-685-5W	Suitable for all 6
	SmartCap	LT-216-670-6H870	Used for monito 870mm height.
	Cork (216)	GS-216-220-7	Suitable for YDS DH-15-216/YD
	Lockable cap	SG-216	Suitable for con
	blood bag rack	XTT-25-2F14 (65)	Used for storing cassettes includ
	blood bag rack	XTT-25-2F14 (95)	Used for storing cassettes includ
	blood bag rack	XTT-25-3F14 (115)	Used for storing cassettes includ
	blood bag rack	XTT-25-4F14 (145)	Used for storing cassettes includ
	blood bag rack	XTT-25-5F14 (175)	Used for storing cassettes includ
	blood bag rack	XTT-50-1F14 (65)	Used for storing cassettes includ
	blood bag rack	XTT-50-1F14 (95)	Used for storing cassettes includ
′DS-175-216	blood bag rack	XTT-50-2F14(115)	Used for storing cassettes includ
	blood bag rack	XTT-50-2F14 (145)	Used for storing cassettes includ
	blood bag rack	XTT-50-3F14(175)	Used for storing cassettes includ
	blood bag rack	XTT-250-1F8 (65)	Used for storing cassettes includ
	blood bag rack	XTT-250-1F8 (95)	Used for storing cassettes includ
	blood bag rack	XTT-250-1F8 (115)	Used for storing cassettes includ
	blood bag rack	XTT-250-1F8 (145)	Used for storing cassettes includ
	blood bag rack	XTT-250-2F8 (175)	Used for storing cassettes includ

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Descri	ntion ar	d Accesso	hride
Deser			

ks for 5ml, 5 layers in total, 30pcs of 5ml 9*9 cryo boxes and lockable cap included, no PU bag, ptional

s (10 layers), 9*9 cryoboxes, lockable cap, no PU bag, roller base is optional

ble cap, no rack, no PU bag

ng 9*9 cryo boxes (2ml), 10 layers in total, with 9*9 cryo boxes included, suitable for

ng 9*9 cryo boxes (5ml), 5 layers in total, with 9*9 cryo boxes included, suitable for YDS-175-216

65L-175L aluminium tank, equipped with 5 universal wheels

toring real time level and temperature for containers with 216mm neck opening, 6 grooves and t.suitable for YDS-175-216

DS-65-216/YDS-95-216/YDS-115-216/YDS-145-216/YDS-175-216/Y-DH-25-216

ntainer with 216mm neck opening

ng 25ml blood bag, 2 levels in total with each layer storing 14pcs of 25ml blood bag, with 28 uded, suitable for YDS-65-216, 6 racks can be fitted.

ng 25ml blood bag, 2 levels in total with each layer storing 14pcs of 25ml blood bag, with 28 uded, suitable for YDS-95-216, 6 racks can be fitted.

ng 25ml blood bag, 3 levels in total with each layer storing 14pcs of 25ml blood bag, with 42 uded, suitable for YDS-115-216, 6 racks can be fitted.

ng 25ml blood bag, 4 levels in total with each layer storing 14pcs of 25ml blood bag, with 56 uded, suitable for YDS-145-216, 6 racks can be fitted.

ng 25ml blood bag, 5 levels in total with each layer storing 14pcs of 25ml blood bag, with 70 uded, suitable for YDS-175-216, 6 racks can be fitted.

ng 50ml blood bag, 1 level in total with each layer storing 14pcs of 50ml blood bag, with 14 uded, suitable for YDS-65-216, 6 racks can be fitted.

ng 50ml blood bag, 1 level in total with each layer storing 14pcs of 50ml blood bag, with 14 uded, suitable for YDS-95-216, 6 racks can be fitted.

ng 50ml blood bag, 2 levels in total with each layer storing 14pcs of 50ml blood bag, with 28 uded, suitable for YDS-115-216, 6 racks can be fitted.

ng 50ml blood bag, 2 levels in total with each layer storing 14pcs of 50ml blood bag, with 28 uded, suitable for YDS-145-216, 6 racks can be fitted.

ng 50ml blood bag, 3 levels in total with each layer storing 14pcs of 50ml blood bag, with 42 uded. suitable for YDS-175-216. 6 racks can be fitted.

ng 250ml blood bag, 1 level in total with each layer storing 8pcs of 250ml blood bag, with 8 uded, suitable for YDS-65-216, 6 racks can be fitted.

ng 250ml blood bag, 1 level in total with each layer storing 8pcs of 250ml blood bag, with 8 uded, suitable for YDS-95-216, 6 racks can be fitted.

ng 250ml blood bag, 1 level in total with each layer storing 8pcs of 250ml blood bag, with 8 uded, suitable for YDS-115-216, 6 racks can be fitted.

ng 250ml blood bag, 1 levels in total with each layer storing 8pcs of 250ml blood bag, with 8 uded, suitable for YDS-145-216, 6 racks can be fitted.

ng 250ml blood bag, 1 levels in total with each layer storing 8pcs of 250ml blood bag, with 8 uded, suitable for YDS-145-216, 6 racks can be fitted.

Haier Biomedical Liquid Nitrogen Storage Solutions

Biological Sample Library-YDS Series

Storage Example of 2ml Internally Threaded Vial



Storage Example of Tall 5ml Cryovials



Blood Bag Storage Example



Straw Storage Example



Small Sized Storage Series (Square Racks)

Widely used within many laboratories, this small-sized storage series features low LN₂ consumption and dual handle design. Stores between 100 and 1100 vials in square racks and cryo boxes.

- 5 Years Vacuum Warranty
- High Thermal Efficiency
- Lightweight
- 10 Litre to 50 Litre Capacity



- Durable
- Secure
- Super-Insulation
- Ideal for Lab Applications

Haier

YDS-35-125-F

Key Features

- Heavy duty lockable enclosure offers excellent security
- Strong, lightweight aluminium construction
- Dual handles
- Temperature monitoring available

- Roller bases available
- High thermal efficiency
- 5 years vacuum warranty

Haie

• Ultra-low LN₂ evapouration loss

Product Advantages

Low LN₂ Consumption and Maximum Storage Efficiency

Haier Biomedical's Small Sized Storage Series (Square Racks) Liquid Nitrogen Storage System features low LN2 consumption and small storage capacity for laboratory applications. The lightweight containers have a smaller footprint whilst providing maximum efficiency of cryogenic storage capacity.

Advanced Vacuum Technology and Super-insulation Technology

Advanced vacuum and insulation technologies provide ultra-low liquid nitrogen evapouration loss and ensure up to three months cryogenic storage.

Rack

Five Models Available

Small Sized Storage Series (Square Racks) offers Five models with different capacity from 100, 600, 750, 900 to 1100 standard 2ml cryovials. All models are supplied with stainless steel racks and cryogenic boxes.

Accessories









Technical Parameters

Model	YDS-10-125-F	YDS-30-125-F	YDS-35-125-F	YDS-47-127-T37	YDS-50B-125-F			
Maximum Storage Capacity	Maximum Storage Capacity							
No. of Rack	1	6	6	6	6			
1.2&2 ml Cryovials (25 per box)	100	600	750	1110	900			
No. of Boxes in (Rack)	4	4	5	5	6			
Performance								
Volume of LN ₂ (L)	10	31.5	35.5	47	50			
Static Evapouration* (L/Day)	0.42	0.35	0.36	0.36	0.45			
Static Holding Time** (Day)	24	90	97	130	110			
Dimensions								
Opening Diameter (mm)	125	125	125	127	125			
Height (mm)	625	704	748	718	818			
Outside Diameter (mm)	300	462	462	508	462			
Empty Weight (kg)	6.3	13	14.5	18.2	17.3			
Full Weight (kg)	15.1	38.9	43.2	60.9	62.4			
Shipping Weight (kg)	9.6	19.3	21.9	30.7	30.3			

* Static evapouration and static holding time are theoretical values. Actual evapouration and holding time are affected by usage, atmospheric conditions and manufacturing tolerances.

** Static Holding Time: the amount of days it takes for all of the LN2 to evapourate out after container is filled with liquid nitrogen to pre-cool and reach thermal equilibrium and the liquid nitrogen filling rate reaches 100% under standard atmospheric condition.

Product List

Model	Product	Model	
	Liquid Nitrogen container	YDS-10-125-F	Include 1 sq
	Liquid Nitrogen container	YDS-10-125	No canister;
YDS-10-125	Rack	FTT-25-4	Used for sto for YDS-30-
103-10-125	Canister	TT10H-125	Φ 97,120mn
	Cork (125)	GS-125-180	Suitable for
	Lockable cap	SG-125	Suitable for
	Liquid Nitrogen container	YDS-30-125-F	Includes 6 ra
	Liquid Nitrogen container	YDS-30-125	Includes PU
	Rack	FTT-25-4	Used for sto for YDS-30-
YDS-30-125	Canister	TT30-125	Φ97,120mr
	Roller Base	YSC-465-5W	"Suitable for equipped wi
	SmartCap	LT-125-370-6H540	Used for mo opening, 6 g
	Cork (125)	GS-125-210	Suitable for
	Lockable cap	SG-125	Suitable for

Description and Accessories

quare rack with 4 layers and 5*5 cryobox; lockable cap; no PU bag

r; no PU bag; no lockable cap; equiped with braces for carrying

toring 5*5 cryo boxes (2ml), 4 layers in total, with 5*5 cryo boxes included, suitable D-125/YDS-10-125

m single tier canister, No goblet, suitable for YDH-10-125

YDS-10-125 YDH-10-125 YDS-50B-125

container with 125mm and 127mm neck opening

racks with 4 layers, 5*5 cryoboxes, lockable cap and PU bag, roller base is optional.

J bag only, roller base is optional

coring 5*5 cryo boxes (2ml), 4 layers in total, with 5*5 cryo boxes included, suitable 0-125/YDS-10-125

m single tier canister, No goblet, suitable for YDS-30-125

or tanks with diameter less than Φ 465. Can be used for 30L, 35L and 50L tank, vith 5 universal wheels.'

onitoring real time level and temperature for containers with 80mm neck grooves and 540mm height. suitable for YDS-20-125/YDS-30-125

YDS-30-125/YDS-35-125/YDS-47-127/YDS-35B-125

container with 125mm and 127mm neck opening

* All models with F-suffix are supplied with stainless steel racks and cryo boxes.

Product List

Model	Product	Model	Description and Accessories
	Liquid Nitrogen container	YDS-35-125-LYS	Includes 6 canisters (Height 276mm), lockable cap and PU bag,roller base is optional
	Liquid Nitrogen container	YDS-35-125-F	Includes 6 racks with 5 layers, 5*5 cryoboxes, lockable cap and PU bag, roller base is optional.
	Liquid Nitrogen container	YDS-35-125	Includes PU bag only, roller base is optional
	Rack	FTT-25-5	Used for storing 5*5 cryo boxes (2ml), 5 layers in total, with 5*5 cryo boxes included, suitable for YDS-35-125
	Canister	TT35-125	Φ 97,120mm single tier canister, No goblet, suitable for YDS-35-125
YDS-35-125	Canister	TTS35-125	Φ 97,276mm double-tier canister, 2 goblets included. Suitable for YDS-35-125
	Roller Base	YSC-465-5W	"Suitable for tanks with diameter less than Φ 465. Can be used for 30L, 35L and 50L tank, equipped with 5 universal wheels."
	SmartCap	LT-125-400-6H575	Used for monitoring real time level and temperature for containers with 125mm neck opening, 6 grooves and 575mm height. suitable for YDS-25-125/YDS-35-125/YDS-35-125
	Cork (125)	GS-125-210	Suitable for YDS-30-125 YDS-35-125 YDS-47-127 YDS-35B-125
	Lockable cap	SG-125	Suitable for container with 125mm and 127mm neck opening
	Liquid Nitrogen container	YDS-47-127-T37	Includes 6 canisters (Height 276mm), lockable cap and PU bag,roller base is optional
	Liquid Nitrogen container	YDS-47-127-10TS	Includes 6 racks with 5 layers, 5*5 cryoboxes, lockable cap and PU bag, roller base is optional.
	Round Rack (Y98-37)	YTT-37-5	Includes PU bag only, roller base is optional
	Canister	TTS47-127-10T	Used for storing 5*5 cryo boxes (2ml), 5 layers in total, with 5*5 cryo boxes included, suitable for YDS-35-125
	Roller Base	YSC-525-5W	Φ 97,120mm single tier canister, No goblet, suitable for YDS-35-125
YDS-47-127	SmartCap	LT-127-370-10H570	Φ 97,276mm double-tier canister, 2 goblets included. Suitable for YDS-35-125
	SmartCap	LT-127-400-6H570	"Suitable for tanks with diameter less than Φ 465. Can be used for 30L, 35L and 50L tank, equipped with 5 universal wheels."
	Cork (125)	GS-125-210	Used for monitoring real time level and temperature for containers with 125mm neck opening, 6 grooves and 575mm height. suitable for YDS-25-125/YDS-35-125/YDS-35-125
	Cork (125)	GS-127-210-10	Suitable for YDS-30-125 YDS-35-125 YDS-47-127 YDS-35B-125
	Lockable cap	SG-125	Suitable for container with 125mm and 127mm neck opening
	Liquid Nitrogen container	YDS-50B-125-F	Includes 6 racks with 6 layers, 5*5 cryoboxes, lockable cap and PU bag, roller base is optional.
	Liquid Nitrogen container	YDS-50B-125-LYS	"Includes 6 canisters (Φ 97/276mm), lockable cap and PU bag. roller base is optional"
	Liquid Nitrogen container	YDS-50B-125	Includes PU bag only, roller base is optional
	Rack	FTT-25-6	Used for storing 5*5 cryo boxes (2ml), 6 layers in total, with 5*5 cryo boxes included, suitable for YDS-50B-125
	Canister	TT50-125	Φ 97,120mm single tier canister, No goblet, suitable for YDS-50B-125
YDS-50B-125	Canister	TTS50-125	Φ 97,276mm double-tier canister, 2 goblets included. Suitable for YDS-50B-125
	Roller Base	YSC-465-5W	"Suitable for tanks with diameter less than Φ 465. Can be used for 30L, 35L and 50L tank, equipped with 5 universal wheels."
	SmartCap	LT-125-500-6H670	Used for monitoring real time level and temperature for containers with 125mm neck opening, 6 grooves and 670mm height. suitable for YDS-50B-125
	Cork (125)	GS-125-180	Suitable for YDS-10-125/YDH-10-125/YDS-50B-125
	Lockable cap	SG-125	Suitable for container with 125mm and 127mm neck opening

Product Description

SmartCap is a low energy consumption module that can monitor liquid nitrogen level and temperature in a liquid nitrogen tank. It is suitable for aluminium alloy liquid nitrogen tanks with opening port size of 50mm, 80mm, 125mm, 216mm. The built-in high efficiency lithium battery can operate the device for more than two years.



SmartCap

Product Characteristics



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Independent, high accuracy measuring system for liquid level and temperature

Real time display of level and temperature.

Built-in high efficiency lithium battery for longevity

Product List

Model	Product	Model	Description and Accessories
			Used for monitoring real time level and temperature for containers with 50mm neck opening,
	SmartCap	LT-50-220-6H360	6 grooves and 360mm height. data can be transmitted to cloud platform, suitable for YDS-3/YDS-6
	SmartCap	LT-50-280-6H420	Used for monitoring real time level and temperature for containers with 50mm neck opening, 6 grooves and 420mm height. suitable for YDS-10/YDS-15
	SmartCap	LT-50-370-6H540	Used for monitoring real time level and temperature for containers with 50mm neck opening, 6 grooves and 540mm height. suitable for YDS-20/YDS-30
	SmartCap	LT-50-400-6H570	Used for monitoring real time level and temperature for containers with 50mm neck opening, 6 grooves and 570mm height. suitable for YDS-25/YDS-35/YDS-35
	SmartCap	LT-50-450-6H580	Used for monitoring real time level and temperature for containers with 50mm neck opening, 6 grooves and 580mm height. suitable for YDS-25/YDS-35
	SmartCap	LT-50-500-6H640	Used for monitoring real time level and temperature for containers with 50mm neck opening, 6 grooves and 640mm height. suitable for YDS-50
	SmartCap	LT-80-220-6H370	Used for monitoring real time level and temperature for containers with 80mm neck opening, 6 grooves and 370mm height. suitable for YDS-6-80
	SmartCap	LT-80-280-6H430	Used for monitoring real time level and temperature for containers with 80mm neck opening, 6 grooves and 430mm height. suitable for YDS-10-80/YDS-15-80
	SmartCap	LT-80-370-6H530	Used for monitoring real time level and temperature for containers with 80mm neck opening, 6 grooves and 530mm height. suitable for YDS-20-80/YDS-30-80
	SmartCap	LT-80-400-6H580	Used for monitoring real time level and temperature for containers with 80mm neck opening, 6 grooves and 580mm height. suitable for YDS-25-80/YDS-35-80
	SmartCap	LT-80-500-6H640	Used for monitoring real time level and temperature for containers with 80mm neck opening, 6 grooves and 640mm height. suitable for YDS-50-80
	SmartCap	LT-125-370-6H540	Used for monitoring real time level and temperature for containers with 80mm neck opening, 6 grooves and 540mm height. suitable for YDS-20-125/YDS-30-125
Smart Cap	SmartCap	LT-125-400-6H575	Used for monitoring real time level and temperature for containers with 125mm neck opening, 6 grooves and 575mm height. suitable for YDS-25-125/YDS-35-125/YDS-35-125/
	SmartCap	LT-125-500-6H670	Used for monitoring real time level and temperature for containers with 125mm neck opening, 6 grooves and 670mm height. suitable for YDS-50B-125
	SmartCap	LT-127-370-10H50	Used for monitoring real time level and temperature for containers with 127mm neck opening, 10 grooves and 570mm height. Suitable for YDS-47-127-10T/MVE-XC47/11-10
	SmartCap	LT-127-400-6H570	Used for monitoring real time level and temperature for containers with 127mm neck opening, 6 grooves and 570mm height. suitable for YDS-47-127-6Y/YDS-47-127/MVE XC-47/11-6
	SmartCap	LT-216-340-6H530	Used for monitoring real time level and temperature for containers with 216mm neck opening, 6 grooves and 530mm height. suitable for YDS-65-216
	SmartCap	LT-216-340-4H540 D1	Used for monitoring real time level and temperature for containers with 216mm neck opening, 4 grooves and 540mm height. suitable for Thermo-Locator Jr.plus(- CY50925-70THERMO)/MVE Crosysterm 2000
	SmartCap	LT-216-370-6H580	Used for monitoring real time level and temperature for containers with 216mm neck opening, 6 grooves and 580mm height.suitable for YDS-95-216
	SmartCap	LT-216-450-6H660	Used for monitoring real time level and temperature for containers with 216mm neck opening, 6 grooves and 660mm height. suitable for YDS-115-216
	SmartCap	LT-216-570-6H770	Used for monitoring real time level and temperature for containers with 216mm neck opening, 6 grooves and 770mm height.suitable for YDS-145-216
	SmartCap	LT-216-670-6H870	Used for monitoring real time level and temperature for containers with 216mm neck opening, 6 grooves and 870mm height.suitable for YDS-175-216
	Data repeater	RP-3002G	SIM card to tranfer data through GPRS and WIFI; include the SIM card
	Data transfer module-WIFI	RP-300W	WIFI to transfer data; prior for client not in China
	SMS alarm service cost	SMS alarm service	Not recommended
	Cloud platform service cost	Cloud platform service cost	Suitable for SJ CRYO'S service, charged by quantity of container, 1 year/set

High Capacity Series for Storage or Transport (Round Canisters)

High Capacity Series for Storage or Transport (Round Canisters) provides two cryopreservation solutions for long-term static storage and transportation of biological samples.

- Numbered Index Canister Locations
- High Capacity
- High Thermal Efficiency
- 5 Years Vacuum Warranty
- Extended Hold Time



- LN₂ Dispenser
- Round Canisters for Straw
 Storage
- Lockable
- Roller Bases Available

Haier Biomedical Liquid Nitrogen Storage Solutions

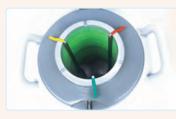
Key Features

- Strong and lightweight aluminium construction
- Heavy duty lockable enclosure offers excellent security
- Numbered index location points for canisters
- Straw storage
- LN2 dispense pump available

Product Advantages

Narrow neck design and excellent thermal conductivity reduces evapouration loss of liquid nitrogen to extend storage times.

Large-capacity models have wider necks for easy access to biological samples.

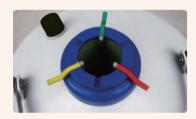


• Roller bases available

• High thermal efficiency

• 5 years vacuum warranty

• Ultra-low evapouration loss



Long-term cryopreservation models have narrower necks with less heat intrusion.

Technical Parameters

	Model	YDS-2-30	YDS-2-35	YDS-3	YDS-6	YDS-10	YDS-10-80
	No. of Canister	3 (3)	3 (3)	(0) 6 (0)	6 (0)	6 (0)	6 (0)
-	No. of Straws (Single Layer) (0.5ml each canister)	90	165	792	792	792	2244
Maximum Capacity	No. of Straws (Single Layer) (0.25ml each canister)	204	330	1788	1788	1788	5022
	No. of Straws (Double Layer) (0.5ml each canister)	—	_	_	_	_	—
	No. of Straws (Double Layer) (0.25ml each canister)				_		—
	Volume of LN ₂ (L)	2	2	3	6	10	10
Performance	Static Evapouration* (L/Day)	0.07	0.08	0.12	0.12	0.12	0.21
-	Static Holding Time** (Day)	28	24	26	52	86	48
	Opening Diameter (mm)	30	35	50	50	50	80
	Height (mm)	399	428	435	482	552	557
	Outside Diameter (mm)	223	204	223	300	300	300
Dimensions	Canister Outside Diameter (mm)	19	25	38	38	38	63
	Outside Height (mm)	120	120	120	120	120	120
	Empty Weight (kg)	2.8	2.6	3.1	4.8	6.1	6.2
	Full Weight (kg)	4.5	4.4	6	9.9	14.5	14.7
	Shipping Weight (kg)	5.1	4.9	5.8	8	9	9.3

	Model	YDS-10-125	YDS-13	YDS-15	YDS-20	YDS-30
	No. of Canister	1 (0)	6 (0)	6 (0)	6 (0)	6
_	No. of Straws (Single Layer) (0.5ml each canister)	854	-	792	792	792
Maximum Capacity	No. of Straws (Single Layer) (0.25ml each canister)	1940	-	1788	1788	1788
	No. of Straws (Double Layer) (0.5ml each canister)	-	1284	-	1284	1284
	No. of Straws (Double Layer) (0.25ml each canister)	-	2832	-	2832	2832
	Volume of LN ₂ (L)	10	13	15	20	30
Performance	Static Evapouration* (L/Day)	0.43	0.12	0.11	0.12	0.12
	Static Holding Time** (Day)	24	109	134	168	254
	Opening Diameter (mm)	125	50	50	50	50
	Height (mm)	625	623	591	672	705
	Outside Diameter (mm)	300	310	394	394	462
Dimensions	Canister Outside Diameter (mm)	97	38	38	38	38
	Outside Height(mm)	120	276	120	120/276	120/276
	Empty Weight (kg)	6.3	6.3	8.5	9.5	12.9
	Full Weight (kg)	15.1	17.3	20.5	28.1	36.6
	Shipping Weight (kg)	8.6	11	13	15	18

	Model	YDS-30 -80	YDS-30 -125	YDS-35	YDS-35 -80	YDS-35 -125	YDS-47 -127
	No. of Canister	6 (0)	6 (0)	6 (0)	6 (0)	6 (0)	10(0)
	No. of Straws (Single Layer) (0.5ml each canister)	2244	5124	792	-	-	-
Maximum Capacity	No. of Straws (Single Layer) (0.25ml each canister)	5022	11640	1788	-	-	-
	No. of Straws (Double Layer) (0.5ml each canister)	3624	-	1284	3624	9048	8200
	No. of Straws (Double Layer) (0.25ml each canister)	8460	-	2832	8460	20760	16400
	Volume of LN ₂ (L)	30	30	35	35	35	47
Performance	Static Evapouration* (L/Day)	0.21	0.35	0.12	0.22	0.37	0.36
	Static Holding Time** (Day)	147	90	286	159	97	130
	Opening Diameter (mm)	80	125	50	80	125	127
	Height (mm)	709	704	749	753	748	718
	Outside Diameter (mm)	462	462	462	462	462	508
Dimensions	Canister Outside Diameter (mm)	63	97	38	63	97	72
	Outside Height (mm)	120/276	120	120/276	276	276	276
	Empty Weight (kg)	13	13	14.2	14.5	14.6	18.2
	Full Weight (kg)	37	38.9	42.7	42.9	43.2	54
	Shipping Weight (kg)	18.3	19.3	20	20.7	22	28

	Model	YDS-20B	YDS-30B	YDS-35B
	No. of Canister	6 (0)	6 (0)	6 (0)
	No. of Straws (Single Layer) (0.5ml each canister)	792	792	792
1aximum	No. of Straws (Single Layer) (0.25ml each canister)	1788	1788	1788
apacity	No. of Straws (Double Layer) (0.5ml each canister)	1284	1284	1284
	No. of Straws (Double Layer) (0.25ml each canister)	2832	2832	2832
Performance	Volume of LN ₂ (L)	20	30	35
	Static Evapouration* (L/Day)	0.2	0.2	0.2
	Static Holding Time** (Day)	101	159	179
	Opening Diameter (mm)	50	50	50
	Height (mm)	672	705	749
	Outside Diameter (mm)	394	462	462
Dimensions	Canister Outside Diameter (mm)	38	38	38
	Outside Height (mm)	120/276	120/276	120/276
	Empty Weight (kg)	9.5	12.9	14.2
	Full Weight (kg)	27.9	37.1	42.8
	Shipping Weight (kg)	15.1	18.3	20.1

	Model	YDS-35B-80	YDS-35B-125	YDS-50B	YDS-50B-125
	No. of Canister	6 (0)	6 (O)	6 (O)	6 (0)
	No. of Straws (Single Layer) (0.5ml each canister)	2244	5124	792	5124
Maximum Capacity	No. of Straws (Single Layer) (0.25ml each canister)	5022	11640	1788	11640
	No. of Straws (Double Layer) (0.5ml each canister)	3624	9048	1284	9048
	No. of Straws (Double Layer) (0.25ml each canister)	8460	20760	2832	20760
Performance	Volume of LN ₂ (L)	35	35	50	50
	Static Evapouration* (L/Day)	0.3	0.41	0.24	0.45
	Duration of Normal Operation** (Day)	119	86	213	110
	Opening Diameter (mm)	80	125	50	125
	Height (mm)	753	748	810	817
	Outside Diameter (mm)	462	462	462	462
Dimensione	Canister Outside Diameter (mm)	63	97	38	97
Dimensions -	Outside Height (mm)	120/276	120/276	120/276	120/276
	Empty Weight (kg)	14.5	14.6	17.2	17.3
	Full Weight (kg)	43	43.5	60.3	62
	Shipping Weight (kg)	20.7	22	24	25.4

† A(B): A for maximum number of canisters, B for number of canisters in standard configuration

* Static evapouration and static holding time are theoretical values. Actual evapouration and holding time are affected by usage, atmospheric conditions and manufacturing tolerances.

** Static Holding Time: the amount of days it takes for all of the LN to evapourate out after container is filled with liquid nitrogen to pre-cool and reach thermal equilibrium and the liquid nitrogen filling rate reaches 100% under standard atmospheric condition.

Vials Cane Specification

Canister	Height 120mm, Diameter 38mm (50mm neck)					
Vials	Canes/Canister	Vials/Cane	Vials/Canister			
0.5ml	4	3	12			
1.5ml	4	3	12			
2ml	4	3	12			
3ml	4	3	12			
5ml	4	1	4			

Canister	Height 120mm, Diameter 63mm (80mm neck)				
Vials	Canes/Canister	Vials/Cane	Vials/Canister		
0.5ml	16	3	48		
1.5ml	16	3	48		
2ml	16	3	48		
3ml	16	3	48		
5ml	16	1	16		

Canister	Height 120mm, Diameter 72mm (127mm neck)					
Vials	Canes/Canister	Vials/Cane	Vials/Canister			
0.5ml	21	3	63			
1.5ml	21	3	63			
2ml	21	3	63			
3ml	21	3	63			
5ml	21	1	21			

Canister	Height 120mm, Diameter 97mm (125mm neck)				
Vials	Canes/Canister	Vials/Cane	Vials/Canister		
0.5ml	-	-	-		
1.5ml	40	3	120		
2ml	40	3	120		
3ml	40	3	120		
5ml	40	1	40		

Canister	Height 120mm, Diameter 104mm (127mm neck)				
Vials	Canes/Canister	Vials/Cane	Vials/Canister		
0.5ml	-	-	-		
1.5ml	46	3	138		
2ml	46	3	138		
3ml	46	3	138		
5ml	46	1	46		

Accessories



Canister	Height 276mm, Diameter 38mm (50mm neck)				
Vials	Canes/Canister	Vials/Cane	Vials/Canister		
0.5ml	4	6	24		
1.5ml	4	6	24		
2ml	4	6	24		
3ml	4	6	24		
5ml	4	3	12		

Canister	Height 276mm, Diameter 63mm (80mm neck)					
Vials	Canes/Canister	Vials/Cane	Vials/Canister			
0.5ml	16	6	96			
1.5ml	16	6	96			
2ml	16	6	96			
3ml	16	6	96			
5ml	16	3	48			

Canister	Height 276mm, Diameter 72mm (127mm neck)					
Vials	Canes/Canister	Vials/Cane	Vials/Canister			
0.5ml	21	6	126			
1.5ml	21	6	126			
2ml	21	6	126			
3ml	21	6	126			
5ml	21	3	63			

Canister	Height 276mm, Diameter 97mm (125mm neck)					
Vials	Canes/Canister	Vials/Cane	Vials/Canister			
0.5ml	-	-	-			
1.5ml	40	6	240			
2ml	40	6	240			
3ml	40	6	240			
5ml	40	3	120			

Canister	Height 276mm, Diameter 104mm (127mm neck)					
Vials	Canes/Canister Vials/Cane Vials/Canister					
0.5ml	-	-	-			
1.5ml	46	6	276			
2ml	46	6	276			
3ml	46	6	276			
5ml	46	3	138			





Product List

Model	Product	Model	Description and Accessories
	Liquid Nitrogen container	YDS-2-30-YS	Includes 3 canisters, lockable cap and PU bag
	Canister	TT2-30	Φ 19, 120mm single tier canister, No goblet, suitable for YDS-2-30
YDS-2-30	Cork (30)	GS-30-125	Suitable for YDS-2-30
	Lockable cap	SG-30	Suitable for container with 30mm neck opening, suitable for YDS-2-30
	Liquid Nitrogen container	YDS-2-35-YS	Includes 3 canisters, lockable cap and Braces for carrying, no PU bag
YDS-2-35	Canister	TT2-35	Φ 25,120mm single tier canister, No goblet, suitable for YDS-2-35
103-2-35	Cork (30)	GS-35-125	Suitable for YDS-2-35
	Lockable cap	SG-35	Suitable for container with 35mm neck opening, suitable for YDS-2-35
	Liquid Nitrogen container	YDS-3-YS	Includes 6 canisters (Height 120mm), lockable cap and PU bag
	Liquid Nitrogen container	YDS-3	Includes PU bag only
YDS-3	Canister	TT3-50	Φ 38, 120mm single tier canister, No goblet, suitable for YDS-3
	Cork (50)	GS-50-180	Suitable for YDS-3/YDH-3/YDS-6/YDS-10/YDS-13/YDS-25/YDS-50B
	Lockable cap	SG-50	Suitable for container with 50mm neck opening
	Liquid Nitrogen container	YDS-6-YS	Includes 6 canisters (Height 120mm), lockable cap and PU bag
-	Liquid Nitrogen container	YDS-6	Includes PU bag only
YDS-6	Canister	TT6-50	Φ 38,120mm single tier canister, No goblet, suitable for YDS-6
	Cork (50)	GS-50-180	Suitable for YDS-3/YDH-3/YDS-6/YDS-10/YDS-13/YDS-25/YDS-50B
	Lockable cap	SG-50	Suitable for container with 50mm neck opening
	Liquid Nitrogen container	YDS-10-YS	Includes 6 canisters (Height 120mm), lockable cap and PU bag
	Liquid Nitrogen container	YDS-10	Includes PU bag only
YDS-10	Canister	TT10-50	Φ 38,120mm single tier canister, No goblet, suitable for YDS-10
	Cork (50)	GS-50-180	Suitable for YDS-3/YDH-3/YDS-6/YDS-10/YDS-13/YDS-25/YDS-50B
	Lockable cap	SG-50	Suitable for container with 50mm neck opening
	Liquid Nitrogen container	YDS-10-80-YS	Includes 6 canisters (Height 120mm), lockable cap and PU bag
	Liquid Nitrogen container	YDS-10-80	Includes PU bag only
YDS-10-80	Canister	TT10-80	Φ 63,120mm single tier canister. No goblet, suitable for YDS-10-80
	Cork (80)	GS-80-180	Suitable for YDH-6-80/YDS-10-80
	Lockable cap	SG-80	Suitable for container with 80mm neck opening
	Liquid Nitrogen container	YDS-13-LYS	Includes 6 canisters (Height 276mm), lockable cap and PU bag
	Liquid Nitrogen container	YDS-13	Includes PU bag only
YDS-13	Canister	TTS13-50	Φ 38,276mm double-tier canister, 2 goblets included. Suitable for YDS-13
	Cork (50)	GS-50-180	Suitable for YDS-3/YDH-3/YDS-6/YDS-10/YDS-13/YDS-25/YDS-50B
	Lockable cap	SG-50	Suitable for container with 50mm neck opening

Product List

Model	Product	Model	
	Liquid Nitrogen container	YDS-15-YS	Includes 6 cani
	Liquid Nitrogen container	YDS-15	Includes PU ba
YDS-15	Canister	TT15-50	Ф 38,120mm s
	Cork (50)	GS-50-210	Suitable for YD
	Lockable cap	SG-50	Suitable for co
	Liquid Nitrogen container	YDS-20-LYS	Includes 6 cani
	Liquid Nitrogen container	YDS-20-YS	Includes 6 cani
	Liquid Nitrogen container	YDS-20	Includes PU ba
YDS-20	Canister	TT30-50	Φ38,120mm s
	Canister	TTS30-50	Ф 38,276mm с
	Cork (50)	GS-50-210	Suitable for YD
	Lockable cap	SG-50	Suitable for co
	Liquid Nitrogen container	YDS-30-LYS	Includes 6 cani
	Liquid Nitrogen container	YDS-30-YS	Includes 6 cani
	Liquid Nitrogen container	YDS-30	Includes PU ba
	Canister	TT30-50	Ф 38,120mm s
YDS-30	Canister	TTS30-50	Ф 38,276mm с
100 30	Roller Base	YSC-465-5W	"Suitable for ta equipped with
	SmartCap	LT-50-370-6H540	Used for monit 6 grooves and
	Cork (50)	GS-50-210	Suitable for YD
	Lockable cap	SG-50	Suitable for co
	Liquid Nitrogen container	YDS-30-80-LYS	Includes 6 cani
	Liquid Nitrogen container	YDS-30-80-YS	Includes 6 cani
	Liquid Nitrogen container	YDS-30-80	Includes PU ba
	Canister	TT30-80	Φ63,120mm s
YDS-30-80	Canister	TTS30-80	Φ63,276mm a
103 30 00	Roller Base	YSC-465-5W	"Suitable for ta equipped with
	SmartCap	LT-80-370-6H530	Used for monit 6 grooves and
	Cork (80)	GS-80-210	Suitable for YD
	Lockable cap	SG-80	Suitable for co
		00.00	

Description and Accessories

nisters (Height 120mm), lockable cap and PU bag

ag only

single tier canister, No goblet, suitable for YDS-15

DS-15/YDS-20/YDS-30/YDS-35/YDS-20B/YDS-30B/YDS-35B

ontainer with 50mm neck opening

nisters (Height 276mm), lockable cap and PU bag

nisters (Height 120mm), lockable cap and PU bag

bag only

single tier canister, No goblet, suitable for YDS-20/YDS-30

double-tier canister, 2 goblets included. Suitable for YDS-20/YDS-30

DS-15/YDS-20/YDS-30/YDS-35/YDS-20B/YDS-30B/YDS-35B

ontainer with 50mm neck opening

nisters (Height 276mm), lockable cap and PU bag,roller base is optional

histers (Height 120mm), lockable cap and PU bag, roller base is optional

ag only, roller base is optional

single tier canister, No goblet, suitable for YDS-20/YDS-30

double-tier canister, 2 goblets included. Suitable for YDS-20/YDS-30

tanks with diameter less than Φ 465. Can be used for 30L, 35L and 50L tank, h 5 universal wheels."

nitoring real time level and temperature for containers with 50mm neck opening, d 540mm height. suitable for YDS-20/YDS-30

DS-15/YDS-20/YDS-30/YDS-35/YDS-20B/YDS-30B/YDS-35B

ontainer with 50mm neck opening

nisters (Height 276mm), lockable cap and PU bag,roller base is optional

nisters (Height 120mm), lockable cap and PU bag, roller base is optional

ag only, roller base is optional

single tier canister, No goblet, suitable for YDS-30-80

double-tier canister, 2 goblets included. Suitable for YDS-30-80

tanks with diameter less than Φ 465. Can be used for 30L, 35L and 50L tank, h 5 universal wheels."

nitoring real time level and temperature for containers with 80mm neck opening, d 530mm height. suitable for YDS-20-80/YDS-30-80

DS-30-80/YDS-35-80/YDS-35B-80

ontainer with 80mm neck opening

Product List

Model	Product	Model	Description and Accessories	
	Liquid Nitrogen container	YDS-35-LYS	Includes 6 canisters (Height 276mm), lockable cap and PU bag,roller base is optional	
	Liquid Nitrogen container	YDS-35-YS	Includes 6 canisters (Height 120mm), lockable cap and PU bag, roller base is optional	
	Liquid Nitrogen container	YDS-35	Includes PU bag only, roller base is optional	
	Canister	TT35-50	Φ 38,120mm single tier canister, No goblet, suitable for YDS-25/YDS-35	
YDS-35	Canister	TTS35-50	Φ 38,276mm double-tier canister, 2 goblets included. Suitable for YDS-35	
	Roller Base	YSC-465-5W	"Suitable for tanks with diameter less than Φ 465. Can be used for 30L, 35L and 50L tank, equipped with 5 universal wheels."	
	SmartCap	LT-50-450-6H580	Used for monitoring real time level and temperature for containers with 50mm neck opening, 6 grooves and 580mm height. suitable for YDS-25/YDS-35	
	Cork (50)	GS-50-210	Suitable for YDS-15/YDS-20/YDS-30/YDS-35/YDS-20B/YDS-30B/YDS-35B	
	Lockable cap	SG-50	Suitable for container with 50mm neck opening	
	Liquid Nitrogen container	YDS-35-80-LYS	Includes 6 canisters (Height 276mm), lockable cap and PU bag,roller base is optional	
	Liquid Nitrogen container	YDS-35-80	Includes PU bag only, roller base is optional	
	Canister	TT35-80	Φ 63,120mm single tier canister, No goblet, suitable for YDS-35-80	
	Canister	TTS35-80	Φ 63,276mm double-tier canister, 2 goblets included. Suitable for YDS-35-80	
YDS-35-80	Roller Base	YSC-465-5W	"Suitable for tanks with diameter less than Φ 465. Can be used for 30L, 35L and 50L tank, equipped with 5 universal wheels."	
	SmartCap	LT-80-400-6H580	Used for monitoring real time level and temperature for containers with 80mm neck openin 6 grooves and 580mm height. suitable for YDS-25-80/YDS-35-80	
	Cork (80)	GS-80-210	Suitable for YDS-30-80/YDS-35-80/YDS-35B-80	
	Lockable cap	SG-80	Suitable for container with 80mm neck opening	
	Liquid Nitrogen container	YDS-20B	Includes PU bag only.	
	Canister	TT30-50	Φ 38,120mm single tier canister, No goblet, suitable for YDS-20/YDS-30	
YDS-20B	Canister	TTS30-50	Φ 38,276mm double-tier canister, 2 goblets included. Suitable for YDS-20/YDS-30	
	Cork (50)	GS-50-210	Suitable for YDS-15/YDS-20/YDS-30/YDS-35/YDS-20B/YDS-30B/YDS-35B	
	Lockable cap	SG-50	Suitable for container with 50mm neck opening	
	Liquid Nitrogen container	YDS-30B	Includes PU bag only, roller base is optional	
	Canister	TT30-50	Φ 38,120mm single tier canister, No goblet, suitable for YDS-20/YDS-30	
	Canister	TTS30-50	Φ 38,276mm double-tier canister, 2 goblets included. Suitable for YDS-20/YDS-30	
YDS-30B	Roller Base	YSC-465-5W	"Suitable for tanks with diameter less than Φ 465. Can be used for 30L, 35L and 50L tank, equipped with 5 universal wheels."	
	Cork (50)	GS-50-210	Suitable for YDS-15/YDS-20/YDS-30/YDS-35/YDS-20B/YDS-30B/YDS-35B	
	Lockable cap	SG-50	Suitable for container with 50mm neck opening	

Product List

Model	Product	Model	
	Liquid Nitrogen container	YDS-35B	Includes PU bag
	Canister	TT35-50	Ф 38,120mm sir
	Canister	TTS35-50	Ф 38,276mm da
YDS-35B	Roller Base	YSC-465-5W	"Suitable for tan equipped with 5
	Cork (50)	GS-50-210	Suitable for YDS
	Lockable cap	SG-50	Suitable for cont
	Liquid Nitrogen container	YDS-35B-80	Includes PU bag
	Canister	TT35-80	Φ63,120mm sir
	Canister	TTS35-80	Φ 63,276mm do
YDS-35B-80	Roller Base	YSC-465-5W	"Suitable for tan equipped with 5
	Cork (80)	GS-80-210	Suitable for YDS
	Lockable cap	SG-80	Suitable for cont
	Liquid Nitrogen container	YDS-35B-125	Includes PU bag
	Canister	TT35-125	Φ97,120mm sir
	Canister	TTS35-125	Φ97,276mm do
YDS-35B-125	Rack	FTT-25-5	Used for storing for YDS-35-125
	Roller Base	YSC-465-5W	"Suitable for tan equipped with 5
	Cork (125)	GS-125-210	Suitable for YDS
	Lockable cap	SG-125	Suitable for cont
	Liquid Nitrogen container	YDS-50B	Includes PU bag
	Canister	TT50-50	Φ38,120mm sir
	Canister	TTS50-50	Φ 38,276mm do
YDS-50B	Roller Base	YSC-465-5W	"Suitable for tan equipped with 5
	SmartCap	LT-50-500-6H640	Used for monito 6 grooves and 6
	Cork (50)	GS-50-180	Suitable for YDS
	Lockable cap	SG-50	Suitable for cont

Description and Accessories

g only, roller base is optional

single tier canister, No goblet, suitable for YDS-25/YDS-35

louble-tier canister, 2 goblets included. Suitable for YDS-35

nks with diameter less than Φ 465. Can be used for 30L, 35L and 50L tank, 5 universal wheels."

S-15/YDS-20/YDS-30/YDS-35/YDS-20B/YDS-30B/YDS-35B

ntainer with 50mm neck opening

ag only, roller base is optional

single tier canister, No goblet, suitable for YDS-35-80

louble-tier canister, 2 goblets included. Suitable for YDS-35-80

nks with diameter less than Φ 465. Can be used for 30L, 35L and 50L tank, 5 universal wheels."

S-30-80/YDS-35-80/YDS-35B-80

ntainer with 80mm neck opening

g only

single tier canister, No goblet, suitable for YDS-35-125

louble-tier canister, 2 goblets included. Suitable for YDS-35-125

g 5*5 cryo boxes(2ml), 5 layers in total, with 5*5 cryo boxes included, suitable

anks with diameter less than Φ 465. Can be used for 30L, 35L and 50L tank, 5 universal wheels."

S-30-125/YDS-35-125/YDS-47-127/YDS-35B-125

ntainer with 125mm and 127mm neck opening

g only, roller base is optional

ingle tier canister, No goblet, suitable for YDS-50

louble-tier canister, 2 goblets included. Suitable for YDS-50

nks with diameter less than Φ 465. Can be used for 30L, 35L and 50L tank, 5 universal wheels."

oring real time level and temperature for containers with 50mm neck opening, 640mm height. suitable for YDS-50

S-3/YDH-3/YDS-6/YDS-10/YDS-13/YDS-25/YDS-50B

ntainer with 50mm neck opening

Haier Biomedical Liquid Nitrogen Storage Solutions

Dryshipper Series for Transportation (Round Canisters)

Dryshipper Series for Transportation (Round Canisters) is designed for safe sample transportation under cryogenic conditions (vapour phase storage, temperature under -190°C). Since the risk of LN, release is avoided, it is suitable for air transportation of samples.

- Rugged and Durable
- 3 Years Vacuum Warranty
- Cryo Absorbant

No LN₂ Spillage

Vapour Phase Storage • Secure



Key Features

- Straw and cryovial storage options
- Rugged and durable aluminium construction
- Designed to ensure no LN₂ spillage
- Vapour phase cryogenic storage

Product Advantages

Liquid Nitrogen Adsorption

Adsorbent materials are used to absorb and retain LN₂ for safe transport. No spillover of LN₂ can occur even when the tank is capsized.

Stainless Steel Mesh

Special stainless steel mesh divides storage space and LN₂ absorbents to prevent absorbent materials from contaminating the samples.

Complete Accessories Set

All models are offered a variety of stainless steel canisters and polycarbonate cryogenic boxes. Locking cover is optional.

Accessories



- Faster LN₂ fill times
- Lockable lids
- 3 years vacuum warranty



Technical Parameters

Model	YDH-3-YS	YDH-6-80-YS	YDH-10 -125-F	YDH-15 -216-F	YDH-25 -216-F			
Maximum Storage Capacity								
No. of Canister	1	1	1	1	1			
No. of Straws (0.5ml / EA)	132	374		_				
No. of Straws (0.25ml / EA)	298	837	_	—	_			
No. of 2.0 ml Cryovials	—	_	100	300	500			
No. of Boxes in (2ml per holder)	—	_	4	3	5			
Performance								
Volume of LN_2 (L)	3	6	10	15	25			
Absorbable Volume of LN_2 (L)	1.3	2.9	3.4	6	9			
Static Evapouration* (L/Day)	0.16	0.2	0.43	1.5	0.89			
Liquid Phase Static Holding Time**(Day)	20	37	23	10	29			
Vapour Phase Static Holding Time***(Day)	8	14	8	4	10			
Dimensions								
Opening Diameter (mm)	50	80	125	216	216			
Height (mm)	435	487	625	540	716			
Outside Diameter (mm)	223	300	300	394	394			
Canister Outside Diameter (mm)	38	63	97	_	_			
Outside Height (mm)	120	120	120	—				
Empty Weight (kg)	3.2	6.5	8.9	13	15			
Full Weight (kg)	4.7	8.9	12.5	17.8	23			
Shipping Weight (kg)	5.5	7.7	9.7	15.2	20.5			

Product List

Model	Product	Model	Description and Accessories
	Dry Shipper	YDH-3-YS	Includes 1 canister(Height 120mm), lockable cap and PU bag
	Canister	TT3H-50	Φ 38,120mm single tier canister, No goblet, suitable for YDH-3
YDH-3	Cork (50)	GS-50-180	Suitable for YDS-3、YDH-3、YDS-6、YDS-10、YDS-13、YDS-25、YDS-50B
	Lockable cap	SG-50	Suitable for container with 50mm neck opening
	Dry Shipper	YDH-6-80-YS	Includes 1 canister(Height 120mm), lockable cap and PU bag
YDH-6-80	Canister	TT6H-80	Φ 63,120mm single tier canister, No goblet, suitable for YDH-6-80
1DH-6-80	Cork (80)	GS-80-180	Suitable for YDH-6-80、YDS-10-80
	Lockable cap	SG-80	Suitable for container with 80mm neck opening
	Dry Shipper	YDH-10-125-F	Includes 1 rack(4 layers),5*5 cryoboxes, lockable cap, no PU bag
	Dry Shipper	YDH-10-125S	Includes lockable cap, no Rack, no PU bag
YDH-10-125	Rack	FTT-25-4	Used for storing 5*5 cryo boxes(2ml), 4 layers in total, with 5*5 cryo boxes included, suitable for YDS-30-125/YDS-10-125
1011-10-125	Canister	TTH10-125	Φ 97,120mm single tier canister. No goblet, suitable for YDH-10-125
	Cork (125)	GS-125-180	Suitable for YDS-10-125、YDH-10-125, YDS-50B-125
	Lockable cap	SG-125	Suitable for container with 125mm and 127mm neck opening
	Protective case X	HKX-300/660	Suitable for YDH-10-125
	Dry Shipper	YDH-15-216-F	Includes 1 rack(5 layers),9*9 cryoboxes and lockable cap, no pu bag
YDH-15-216	Rack(vertical type)	FDCJ-81-3	Used for storing 9*9 cryo boxes(2ml), 3 layers in total. With 9*9 cryoboxes included. Suitable for YDH-15-216
	Cork (216-2)	GS-216-150 (L)	Suitable for YDH-15-216
	Lockable cap	SG-216	Suitable for container with 216mm neck opening
	Dry Shipper	YDH-25-216-F	Includes 1 rack(5 layers),9*9 cryoboxes and lockable cap, no pu bag
YDH-25-216	Rack(vertical type)	FDCJ-81-5	Used for storing 9*9 cryo boxes(2ml), 5 layers in total, with 9*9 cryoboxes included.suitable for YDH-25-216 \YDS-95-216
	Cork (216)	GS-216-220-7	Suitable for YDS-65-216、YDS-95-216、YDS-115-216、YDS-145-216、YDS-175-216、 YDH-15-216、YDH-25-216
	Lockable cap	SG-216	Suitable for container with 216mm neck opening

* Static evapouration and static holding time are theoretical values. Actual evapouration and holding time are affected by usage, atmospheric conditions and manufacturing tolerances.

** Liquid Phase Static Holding Time: the amount of days it takes for all of the LN to evapourate out after container is filled with liquid nitrogen to pre-cool and reach thermal equilibrium and the liquid nitrogen filling rate reaches 100% under standard atmospheric condition.

*** Vapour Phase Static Holding Time: the amount of days it takes for all of the LN to evapourate out after pouring liquid nitrogen into container to makeing absorbent materials fully absorb LN under standard atmospheric condition.

Self-pressurized Series for LN₂ Storage and Supply

Liquid Nitrogen Supplement Series for LN₂ Storage and Supply incorporates the latest innovation, its unique design utilises the pressure generated from the vapourisation of a small amount liquid nitrogen to discharge LN₂ into other containers. Storage capacities range from 5 to 500 litres.

- 5 Year Vacuum Warranty
- Decant Valves
- Liquid Storage

- Stainless Steel Construction
- Pressure Raising
- Integral Safety Mechanisms



Key Features

- All models are equipped with safety valves
- All welded stainless steel construction

Product Advantages

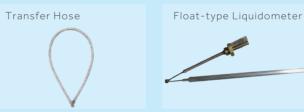
Stainless Steel Structure

Stainless steel structure can withstand the most dem environment and ensure long-lasting security. It also provides reduced evapouration loss rate, compared v conventional welding insulation tanks.

Casters

All models have four casters for better mobility and convenient use in different occasions.

Accessories



Additional Series for Liquid Nitrogen Tank (Comparison between Standard Series and K Series)

Standard series



New Functions of K Series

Digital Display Level Gauge

DLZ-300 Digital display of fluid level Remote data transmission function



• 58 •

	Rotary ring construction
	Labelled valves for easy identification
	• 5 year vacuum warranty
	Variety of accessories
nanding	Each Self-pressurized Series for LN2 Storage
	and Supply model is equipped with a pressure
vith	valve, a drain valve, a relief valve, and a pressure
	gauge.

Technical Parameters

Model	YDZ-5	YDZ-15	YDZ-30	YDZ-50	YDZ-100 YDZ-100K		
Performance							
Volume of LN_2 (L)	5	15	30	50	100		
Static Evapouration (L/Day)	0.15	0.38	0.75	1	1.3		
LN ₂ Output (L/Min)	2	2	3	3	4		
Dimensions							
Height (mm)	510	750	879	991	1185		
Outside Diameter (mm)	329	404	454	506	606		
Empty Weight (kg)	15	23	32	54	75		
Full Weight (kg)	19.1	35.3	56.6	95.0	157.0		
Shipping Weight (kg)	28	34	47	63	98		
Pressure Parameters (MPA)		1. Standard working pressure 0.05, 2. Maximum working pressure 0.09, 3. First stage safety valve relief pressure 0.099, 4. Second stage safety valve release pressure 0.15, 5. Pressure gauge range 0-0.25					

4. Second stage safety valve release pressure 0.15, 5. Pressure gauge range 0~0.25

Model	YDZ-150	YDZ-200 YDZ-200K	YDZ-240K	YDZ-300 YDZ-300K	YDZ-500 YDZ-500K
Performance					
LN ₂ Capacity (L)	150	200	240	300	500
Static Evapouration (L/Day)	1.95	2.4	2.9	3.3	5.5
LN₂Output (L/Min)	6	8	8	8	10
Dimensions					
Height (mm)	1188	1265	1350	1459	1576
Outside Diameter (mm)	706	758	758	857	1008
Empty Weight (kg)	102	130	148	202	255
Full Weight (kg)	225	296	350	448	665
Shipping Weight (kg)	132	164	177	232	324
Pressure Parameters (MPA)	 Standard working pressure 0.05, 2. Maximum working pressure 0.09, 3. First stage safety valve relief pressure 0.099, Second stage safety valve release pressure 0.15, 5. Pressure gauge range 0-0.25, 6. Rupture disc burst pressure 0.47 				

* Static evapouration and static holding time are theoretical values. Actual evapouration and holding time are affected by usage, atmospheric conditions and manufacturing tolerances.

Product List

Mode

Model	Product	Model	Description and Accessories
YDZ	Self-pressurized Filling tank	YDZ-5	Includes single-layer transfusion hoses (ZG-DN10/1.5)
	Self-pressurized Filling tank	YDZ-15	Includes single-layer transfusion hoses (ZG-DN10/1.5)
	Self-pressurized Filling tank	YDZ-30	Includes single-layer transfusion hoses (ZG-DN10/1.5);
	Self-pressurized Filling tank	YDZ-50	Includes single-layer transfusion hoses (ZG-DN10/1.5);
	Self-pressurized Filling tank	YDZ-100	Includes single-layer transfusion hoses (ZG-DN10/1.5) and float-type liquidometer
	Self-pressurized Filling tank	YDZ-150	Includes single-layer transfusion hoses (ZG-DN10/1.5) and float-type liquidometer
	Self-pressurized Filling tank	YDZ-200	Includes single-layer transfusion hoses (ZG-DN10/1.5) and float-type liquidometer
	Self-pressurized Filling tank	YDZ-300	Includes single-layer transfusion hoses (ZG-DN10/1.5) and float-type liquidometer
	Self-pressurized Filling tank	YDZ-500	Includes single-layer transfusion hoses (ZG-DN10/1.5) and float-type liquidometer
	Self-pressurized Filling tank	YDZ-100K	Includes single-layer transfusion hoses (ZG-DN10/1.5),Digital display level gauge(DLZ-300) and pressure stabilizer. can be used for auto filling
	Self-pressurized Filling tank	YDZ-200K	Includes single-layer transfusion hoses (ZG-DN10/1.5),Digital display level gauge(DLZ-300) and pressure stabilizer. can be used for auto filling
	Self-pressurized Filling tank	YDZ-240K	Includes single-layer transfusion hoses (ZG-DN10/1.5),Digital display level gauge(DLZ-300) and pressure stabilizer. can be used for auto filling
	Self-pressurized Filling tank	YDZ-300K	Includes single-layer transfusion hoses (ZG-DN10/1.5),Digital display level gauge(DLZ-300) and pressure stabilizer. can be used for auto filling
	Self-pressurized Filling tank	YDZ-320K	Includes single-layer transfusion hoses (ZG-DN10/1.5),Digital display level gauge(DLZ-300) and pressure stabilizer. can be used for auto filling
	Self-pressurized Filling tank	YDZ-500K	Includes single-layer transfusion hoses (ZG-DN10/1.5),Digital display level gauge(DLZ-300) and pressure stabilizer. can be used for auto filling
	Digital display level gauge	DLZ-300(YDZ-240K)	Digital display real time liquid nitrogen level of self pressurized tank, low power consumption battery, wireless transmission (YDZ-240K)
	Digital display level gauge	DLZ-300(YDZ-320K)	Digital display real time liquid nitrogen level of self pressurized tank, low power consumption battery, wireless transmission (YDZ-320K)
	Digital display level gauge	DLZ-300(YDZ-500K)	Digital display real time liquid nitrogen level of self pressurized tank, low power consumption battery, wireless transmission (YDZ-500K)
	Float-type Liquidometer	FZ-100	Suitable for YDZ-100
	Float-type Liquidometer	FZ-150	Suitable for YDZ-150
	Float-type Liquidometer	FZ-200	Suitable for YDZ-200
	Float-type Liquidometer	FZ-300	Suitable for YDZ-300
	Float-type Liquidometer	FZ-500	Suitable for YDZ-500

Product List

Model	Product	Model	Description and Accessories
	Full Bottom Canister	MTT2-30	Φ 19, 120mm single tier canister(full bottom), No goblet, suitable for YDS-2-30
	Full Bottom Canister	MTT2-35	Φ 25, 120mm single tier canister(full bottom), No goblet, suitable for YDS-2-35
	Full Bottom Canister	MTT3-50	Φ 38, 120mm single tier canister(full bottom), No goblet, suitable for YDS-3
	Full Bottom Canister	MTTH3-50	Φ 38, 120mm single tier canister(full bottom), No goblet, suitable for YDH-3
	Full Bottom Canister	MTT6-50	Φ 38, 120mm single tier canister(full bottom), No goblet, suitable for YDS-6
	Full Bottom Canister	MTT10-50	Φ 38, 120mm single tier canister(full bottom), No goblet, suitable for YDS-10
	Full Bottom Canister	MTT15-50	Φ 38, 120mm single tier canister(full bottom), No goblet, suitable for YDS-15
	Full Bottom Canister	MTT30-50	Φ 38, 120mm single tier canister(full bottom), No goblet, suitable for YDS-20/YDS-30
	Full Bottom Canister	MTT35-50	Φ 38, 120mm single tier canister(full bottom), No goblet, suitable for YDS-25、YDS-35
	Full Bottom Canister	MTT50-50	Φ 38, 120mm single tier canister(full bottom), No goblet, suitable for YDS-50
	Full Bottom Canister	MTTH6-80	Φ 63, 120mm single tier canister(full bottom), No goblet, suitable for YDH-6-80
	Full Bottom Canister	MTT10-80	Φ 63, 120mm single tier canister(full bottom), No goblet, suitable for YDS-10-80
	Full Bottom Canister	MTT30-80	Φ 63, 120mm single tier canister(full bottom) , No goblet, suitable for YDS-30-80
	Full Bottom Canister	MTT35-80	Φ 63, 120mm single tier canister(full bottom), No goblet, suitable for YDS-35-80
	Full Bottom Canister	MTTH10-125	Φ 97, 120mm single tier canister(full bottom), No goblet, suitable for YDH-10-125
Full Bottom	Full Bottom Canister	MTT30-125	Φ 97, 120mm single tier canister(full bottom), No goblet, suitable for YDS-30-125
Canister	Full Bottom Canister	MTT35-125	Φ 97, 120mm single tier canister(full bottom), No goblet, suitable for YDS-35-125
	Full Bottom Canister	MTT50-125	Φ 97, 120mm single tier canister(full bottom), No goblet, suitable for YDS-50B-125
	Full Bottom Canister	MTTS13-50	Φ 38, 276mm double tiers canister(full bottom), with goblets included. suitable for YDS-13
	Full Bottom Canister	MTTS30-50	Φ 38, 276mm double tiers canister(full bottom), with goblets included. suitable for YDS-20、YDS-30
	Full Bottom Canister	MTTS35-50	Φ 38, 276mm double tiers canister(full bottom), with goblets included. suitable for YDS-25、YDS-35
	Full Bottom Canister	MTTS50-50	Φ 38, 276mm double tiers canister(full bottom), with goblets included. suitable for YDS-50
	Full Bottom Canister	MTTS30-80	Φ 63, 276mm double tiers canister(full bottom), with goblets included. suitable for YDS-30-80
	Full Bottom Canister	MTTS35-80	Φ 63, 276mm double tiers canister(full bottom), with goblets included. suitable for YDS-35-80
	Full Bottom Canister	MTTS47-127-10T	Φ 72, 276mm double tiers canister(full bottom), with goblets included. suitable for YDS-47-127-10T
	Full Bottom Canister	MTTS35-125	Φ 97, 276mm double tiers canister(full bottom), with goblets included. suitable for YDS-35-125
	Full Bottom Canister	MTTS47-127	Φ 104, 276mm double tiers canister(full bottom), with goblets included. suitable for YDS-47-127
	Full Bottom Canister	MTTS50-125	Φ 97, 276mm double tiers canister(full bottom), with goblets included. suitable for YDS-50B-125

Product List

	Vial cane	3X	Used for holding 3 vials(2ml)
	Vial cane	6X	Used for holding 6 vials(2ml), plastic sleeve not included
	Plastic cryo box	5×5(2.0)	Used for storing 1.8ml/2ml vial(25 holes)
	Plastic cryo box	9×9(2.0)	Used for storing1.8ml/2ml vial(81 holes)
	Plastic cryo box	9×9(5.0)	Used for storing 4.5/4.7/5ml vial(81 holes)
	Plastic cryo box	10×10(2.0)	Used for storing 1.8ml/2ml vial (interally threaded, 100 holes)
cryobox	Plastic cryo box	Y-37	Suitable for round rack to store 1.8ml/2ml vial(37 holes)
	Pastic Goblets	SNT-97	Suitable for diameter 97mm canisters
	Blood bag cassette	25ml (791 OS/U)	one bag per box,rocker arm type
	Blood bag cassette	50ml (4R9951)	one bag per box,drawer type
	Blood bag cassette	250ml (4R9953)	one bag per box, rocker arm type
	Plastic sleeve for vial cane	5016-0002 (6-type)	Suitable for vial cane that can hold 6 vials
	Stainless steel cryo box	5×5 (5.0)	Used for storing 4.5ml/4.7ml/5ml vials(25 holes)
	Stainless steel cryo box	9×9 (5.0) stainless steel	Used for storing 4.5ml/4.7ml/5ml vials(81 holes)
	Valve adaptor	CGA295	Used for connecting the valve of YDZ self-pressurized tank with single layer transfer hose
	cryogenic solenoid valve	DN7.0 (ASCO 24V)	Suitable for piping pressure≤0.5MPa, pressure 0.3MPA
	cryogenic solenoid valve	DN7.0 (JASA24V)	Suitable for piping pressure≤0.5MPa
	Low temperature solenoid valve	DN3.0 (ASCO 24V)	Suitable for piping pressure≤0.5MPa, pressure 0.8MPA
	Vacuum isolated hose	GRG-DN10/1.0	Diameter10mm, Length 1m, special use for liquid nitrogen transferring, connection type for both side and length can be customized, charged by meter
-	Vacuum isolated hose	GRG-DN10/2.0	Diameter10mm, Length 2m, special use for liquid nitrogen transferring, connection type for both side and length can be customized, charged by meter
cryobox	Single-layer transfusion Hose	ZG-DN10/1.5	Diameter10mm,Length 1.5m, Suitable for YDZ series
cijobox	Single-layer transfusion Hose	BG-DN10/1.0	Diameter10mm, Length 1.0m, Suitable for liquid nitrogen pump YDB series
	Single-layer transfusion Hose	RG-DN10	Diameter 10mm, used for liquid nitrogen transfering, fitting and length can be customized, charged in meters.
	Single-layer transfusion Hose	RG-DN6	Diameter 6mm, used for liquid nitrogen transfering, fitting and length can be customized, charged in meters.
	Hose heat insulation cotton	BMT-DN10	Suitable for DN10 single layer metal hose, 1 meter
	Cryogenic Gloves	ST-32	overall length 32cm
	Cryogenic Gloves	ST-45	overall length 45cm
	Cryogenic Gloves	ST-72	overall length 72cm
	Level measuring scale	YWC-100	Measuring length100CM

Installed End User Examples





Biological Technology Co., Ltd

A Hospital in Shanghai



Stem Cell Bank



A Hospital in Shenzhen



Biopharmaceuticals



Biotechnology Co., Ltd



Animal Health Company



University of Cambridge



A Hospital in Ningbo



A Hospital in Nanchang



Institute of Zoology



Kings College London School of Biomedical Engineering & Imaging Sciences



International Cell Valley



Medical Technology Co., Ltd.



Science and Technology Innovation Base



Fisheries Research Institute