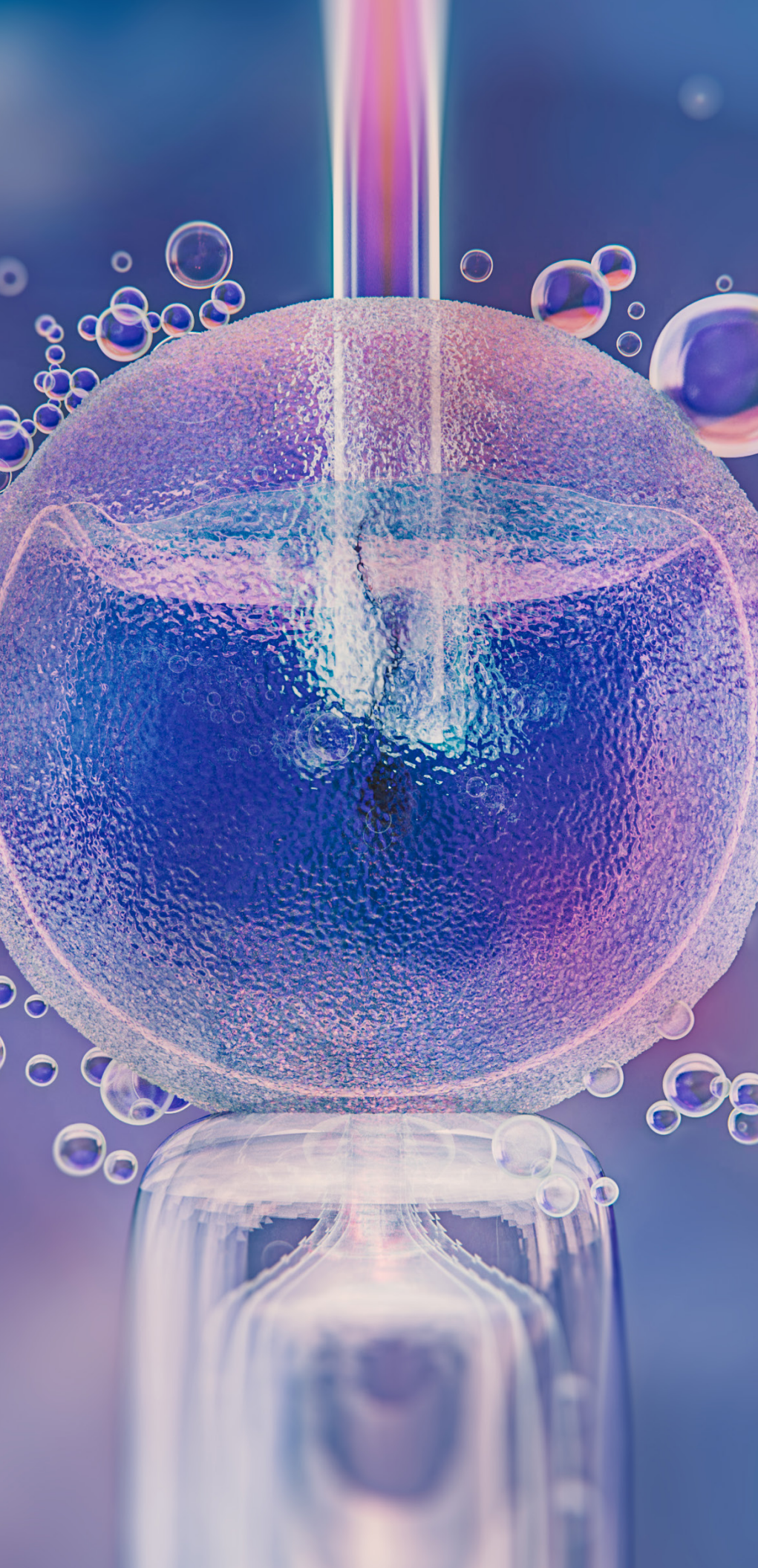




# **MVE Asia Biological Solutions for Life Sciences**

**Storage & Transport Systems for MVE Cryopreservation**



#### **Customer Service**

*Customer Service:*

+86-028-65729660 / 65729666 / 65729668

customerservice.china@mvebio.com

#### **Technical Service**

*Technical Service:*

+01 404 383-1900

techservice@mvebio.com

**Visit [www.mvebio.com](http://www.mvebio.com)  
for more information.**

© 2025 MVE Biological Solutions reserves the right to discontinue its products, or change the prices, materials, equipment, quality, descriptions, specifications and/or processes to its products at any time without prior notice and with no further obligation or consequence. All rights not expressly stated herein are reserved by us, as applicable.

ML-000043 Ver 0

# Contents

◦ Company Introduction	4
◦ Awards	5
◦ Product Structure	6
◦ YDS Coding System Explanation	6
◦ Small Capacity Storage	7
◦ Medium Capacity Storage	8
◦ Large Capacity Storage	10
◦ For Transportation	11
◦ Large Caliber	13
◦ Container with Racks	14
◦ LN-Only	15
◦ Dry Shipper	16
◦ Push Cart	17
◦ Auto-boosting Liquid Nitrogen Pump	17
◦ CryoTipper	18
◦ MVE CryoCube™ & BL-7	19



# Company Introduction

**Established in 1976, MVE Cryogenic Biological Equipment (Chengdu) Co., Ltd. (Former Chengdu Golden Phoenix Liquid Nitrogen Container Co., Ltd.) is a manufacturer and trader specializing in research, development and production of liquid nitrogen containers.**

We were invested by China Ministry of Agriculture, and now a division of Cryoport Inc.

Thanks to our high-quality products and exceptional customer service for nearly 50 years, we have grown into a national technology leader with an extensive product range serving many end markets. Since 1981, our product has won several State Quality Silver Awards and the honors of high quality product from different grades of country, province and city. Besides, it has been assessed to be “Sichuan Famous Brand Product” seven times successively since 2002. “Golden Phoenix” has been entitled to be “Sichuan Famous Trademark” three times since 2008. With continuous improvement of our marketing capability, our products are greatly appreciated in a variety of different markets throughout the world.

In 2001, GP began to sell products overseas, and now has gained a global sales network reaching more than 60 countries.

In 2007, GP moved from Chengdu Phoenix Mountain to Pixian Chengdu Modern Industrial Park, further expanding our scale and capacity.

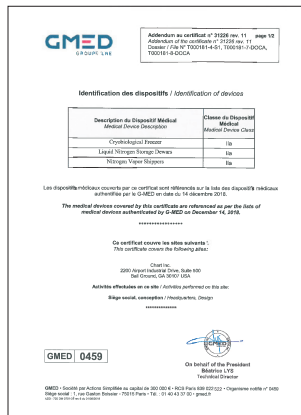
In 2009, GP became the only factory in China of the BioMedical Division of the world's leading cryogenic equipment manufacture --- Chart Industries.

In 2011, new high-end production line was put into use, bringing more excellent products and service.

In 2020, Cryoport Inc. acquired MVE Biological Solutions to extend into the cell and gene therapy supply chain business.

Dedicated to achieving 100% Customer Satisfaction, we have acquired the authentication of ISO9001 and ISO 13485 Quality Management System. We will continuously exceed ourselves and create value for customers, providing higher quality products and services!

# Awards



We acquired the authentication of ISO 13485 International Quality Management System in the same industry.



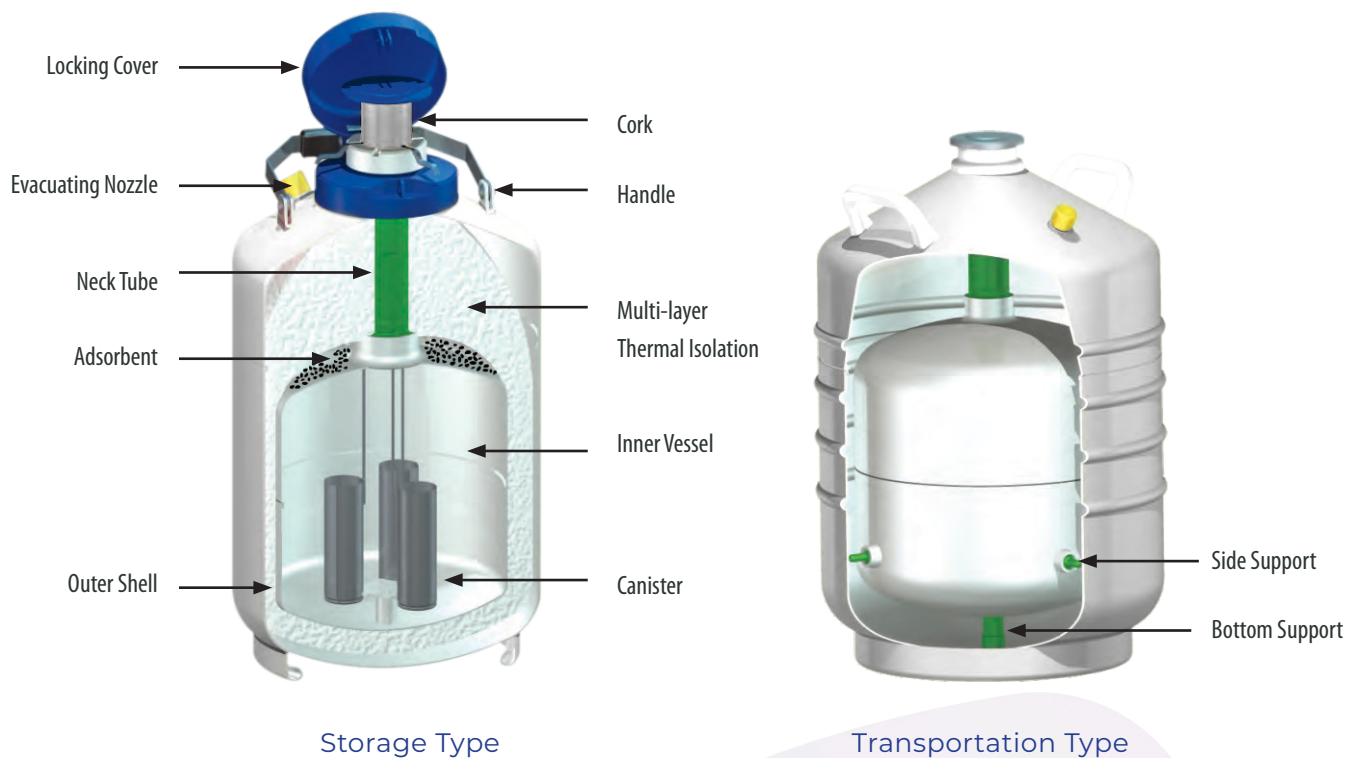
More than 10 patent of utility models such as Winding Machine, Canister Divider and Locking Cover all obtained the letter patent of utility model.



Since 2002, Golden Phoenix liquid nitrogen container has been awarded the title of "Sichuan Famous Brand Product" seven times successively (awarded every other year).

Since 2008, "Golden Phoenix" has been entitled to be "Sichuan Famous Trademark" three times successively.

# Product Structure



## YDS Coding System Explanation

Y D S - □ □ - □

- Means Container Caliber (mm), Caliber 50mm is omitted.
- Means Special Type.
- Means Container Nominal Capacity (L).
- Means the abbreviation of Liquid Nitrogen Biological Container

**E.g.1:** YDS-30 means liquid nitrogen biological container storing 30L nominal capacity with 50mm caliber.

**E.g.2:** YDS-50B-80 means liquid nitrogen biological container for transportation of 50L nominal capacity with 80mm caliber.

# Small Capacity Storage

These small capacity containers are designed for transferring biological samples stored via manual work. They are light, portable and economical, with lower static evaporation loss.

## Main Features

- High-strength aluminum alloy structure, light empty weight;
- Multi-layer thermal isolation design;
- Hinged handle, portable;
- Optional locking cover to protect stored biological samples;
- Protective jacket to prevent collision, portable;
- Two-year vacuum warranty.



## Specifications

Model	Unit	YDS-1-30	YDS-2-30	YDS-2-35	YDS-3	YDS-6	YDS-10	YDS-10-80
○ Part Number*	-	20005423	20005424	20005425	20005426	20005429	20005430	20005431
○ Capacity	L	1.0	2.0	2.0	3.15	6.0	10.0	10.0
○ Empty Weight	kg	2.0	2.9	3.2	3.4	5.0	6.2	6.5
○ Neck Diameter	mm	30	30	35	50	50	50	80
○ Outer Diameter	mm	180	224	195	224	287	303	303
○ Height	mm	315	360	395	420	435	530	540
○ Static Evaporation Loss **	L/d	0.07	0.07	0.09	0.12	0.12	0.12	0.18
○ Static Hold Time	d	14	28	23	26	52	86	57
○ Canister Outer Diameter	mm	26	19	25	38	38	38	63
○ Canister Height	mm	120	120	120	120	120	120	120
○ Numbers of Canisters	ea	1	3	3	6	6	6	6
○ Straw Holding Capacity (single level)	0.5ml ea	60	90	180	792	792	792	2040
	0.25ml ea	120	204	360	1788	1788	1788	4584
○ Straw Holding Capacity (double level)	0.5ml ea	-	-	-	-	-	-	-
	0.25ml ea	-	-	-	-	-	-	-
○ Optional Locking Cover	ea	-	✓	✓	✓	✓	✓	✓

\* Containers with same PN may contain various configurations. Please confirm when ordering

\*\* Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

## Accessories



Cork



Locking Cover



Canister

# Medium Capacity Storage

These moderate capacity containers are the choice for customers who will store biological samples or liquid nitrogen for an extended period of time under static environment.

## Main Features

- High-strength aluminum alloy structure;
- Multi-layer thermal isolation design;
- Optional locking cover to protect stored biological samples;
- Protective jacket to prevent collision
- Two-year vacuum warranty.



## Specifications

Model	Unit	YDS-10A	YDS-10-90	YDS-12-90	YDS-13	YDS-15	YDS-16
○ Part Number*	-	20005434	20005432	20045859 15089984	20005435	20005437	20005439
○ Capacity	L	10.0	10.0	12.0	13.0	16.0	17.0
○ Empty Weight	kg	6.5	6.8	9.0	7.0	8.2	8.5
○ Neck Diameter	mm	50	90	90	50	50	50
○ Outer Diameter	mm	287	303	406	303	355	355
○ Height	mm	605	538	470	600	600	620
○ Static Evaporation Loss **	L/d	0.10	0.23	0.26	0.12	0.12	0.12
○ Static Hold Time	d	97	44	45	109	134	143
○ Canister Outer Diameter	mm	38	70	70/43	38	38	38
○ Canister Height	mm	276	120	127	276	120	276
○ Numbers of Canisters	ea	6	6	6/9	6	6	6
○ Straw Holding Capacity (single level)	0.5ml ea	-	2588	2588/1566	-	792	-
	0.25ml ea	-	6192	6192/3438	-	1788	-
○ Straw Holding Capacity (double level)	0.5ml ea	1284	-	-	1284	-	1284
	0.25ml ea	2832	-	-	2832	-	2834
○ Number of Canes	ea	-	-	-	24	-	24
○ Number of Vials	ea	-	-	-	120	-	120
○ Optional Locking Cover	ea	✓	✓	✓	✓	✓	✓

\* Containers with same PN may contain various configurations. Please confirm when ordering

\*\* Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

## Accessories

Canister



Cork





# Medium Capacity Storage

These moderate capacity containers are the choice for customers who will store biological samples or liquid nitrogen for an extended period of time under static environment.

## Main Features

- High-strength aluminum alloy structure;
- Multi-layer thermal isolation design;
- Optional locking cover to protect stored biological samples;
- Protective jacket to prevent collision
- Two-year vacuum warranty.



## Specifications

Model	Unit	YDS-20	YDS-30	YDS-30-80	YDS-30-90	YDS-30-125
○ Part Number*	-	20005440	20005442	20005443	20005444	20005445
○ Capacity	L	20.0	31.5	31.5	31.5	31.5
○ Empty Weight	kg	11.2	12.9	13.5	13.6	14.2
○ Neck Diameter	mm	50	50	80	90	125
○ Outer Diameter	mm	409	446	446	446	446
○ Height	mm	650	670	680	680	685
○ Static Evaporation Loss **	L/d	0.12	0.12	0.21	0.23	0.35
○ Static Hold Time	d	168	254	147	136	90
○ Canister Outer Diameter	mm	38	38	63	70	97
○ Canister Height	mm	120/276	120/276	120/276	120/276	120/276
○ Numbers of Canisters	ea	6	6	6	6	6
○ Straw Holding Capacity (single level)	0.5ml	792	792	2244	2588	5124
	0.25ml	1788	1788	5022	6192	11952
○ Straw Holding Capacity (double level)	0.5ml	1284	1284	3624	4920	9048
	0.25ml	2832	2832	8460	10688	19944
○ Number of Canes	ea	24	24	72	90	198
○ Number of Vials	ea	120	120	360	450	990
○ Optional Locking Cover	ea	✓	✓	✓	✓	✓

\* Containers with same PN may contain various configurations. Please confirm when ordering

\*\* Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

## Accessories



Level Measuring Scale



Level Monitor

# Large Capacity Storage

These large capacity containers feature longer hold time and are ideal for customers with high storage volume under static environment.

## Main Features

- High-strength aluminum alloy structure;
- Multi-layer thermal isolation design;
- Optional locking cover to protect stored biological samples;
- Protective jacket to prevent collision
- Two-year vacuum warranty.



## Specifications

Model	Unit	YDS-35	YDS-35-80	YDS-35-125	YDS-47-127
○ Part Number*	-	20005447	20005448	20005449	20005469
○ Capacity	L	35.5	35.5	35.5	47.0
○ Empty Weight	kg	13.8	14.1	15.1	19.0
○ Neck Diameter	mm	50	80	125	127
○ Outer Diameter	mm	473	473	473	500
○ Height	mm	680	680	690	675
○ Static Evaporation Loss **	L/d	0.12	0.22	0.37	0.45
○ Static Hold Time	d	286	159	97	105
○ Canister Outer Diameter	mm	38	63	97	103
○ Canister Height	mm	120/276	120/276	120/276	120/276
○ Numbers of Canisters	ea	6	6	6	6
○ Straw Holding Capacity (single level)	0.5ml	792	2244	5124	6702
	0.25ml	1788	5022	11952	14046
○ Straw Holding Capacity (double level)	0.5ml	1284	3624	9048	10704
	0.25ml	2832	8460	19944	23604
○ Number of Canes	ea	24	72	198	204
○ Number of Vials	ea	120	360	990	1020
○ Optional Locking Cover	ea	✓	✓	✓	✓

\* Containers with same PN may contain various configurations. Please confirm when ordering

\*\* Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

## Accessories



Roller Base



Canister

# For Transportation

This series is designed for sample transportation with special side or bottom reinforcements.

## Main Features

- High-strength aluminum alloy structure, light empty weight;
- Multi-layer thermal isolation design;
- Optional locking cover to protect stored biological samples;
- Optional roller base to easily move the container;
- Protective jacket to prevent collision, portable;
- Two-year vacuum warranty.



## Specifications

Model	Unit	YDS-30B	YDS-30B-80	YDS-35B	YDS-35B-80
○ Part Number*	-	20005456	20005457	20005459	20005460
○ Capacity	L	31.5	31.5	35.5	35.5
○ Empty Weight	kg	13.1	13.7	14.0	14.3
○ Neck Diameter	mm	50	80	50	80
○ Outer Diameter	mm	446	446	473	473
○ Height	mm	675	680	680	680
○ Static Evaporation Loss **	L/d	0.16	0.3	0.17	0.3
○ Static Hold Time	d	191	106	215	119
○ Canister Outer Diameter	mm	38	63	38	63
○ Canister Height	mm	120/276	120/276	120/276	120/276
○ Numbers of Canisters	ea	6	6	6	6
○ Straw Holding Capacity (single level)	0.5ml	792	2244	792	2244
	0.25ml	1788	5022	1788	5022
○ Straw Holding Capacity (double level)	0.5ml	1284	3624	1284	3624
	0.25ml	2832	8460	2832	8460
○ Number of Canes	ea	24	72	24	72
○ Number of Vials	ea	120	360	120	360
○ Optional Locking Cover	ea	✓	✓	✓	✓

\* Containers with same PN may contain various configurations. Please confirm when ordering

\*\* Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

## Accessories



Cork



Locking Cover



Canister

# For Transportation

This series is designed for sample transportation with special side or bottom reinforcements.

## Main Features

- High-strength aluminum alloy structure, light empty weight;
- Multi-layer thermal isolation design;
- Optional locking cover to protect stored biological samples;
- Optional roller base to easily move the container;
- Protective jacket to prevent collision, portable;
- Two-year vacuum warranty.



## Specifications

Model	Unit	YDS-35B-125	YDS-50B	YDS-50B-80	YDS-50B-125	YDS-50B-200
○ Part Number*	-	20005461	21087149	20005463	20005464	20005465
○ Capacity	L	35.5	50.0	50.0	50.0	50.0
○ Empty Weight	kg	15.3	21.1	21.0	21.5	22.0
○ Neck Diameter	mm	125	50	80	125	200
○ Outer Diameter	mm	473	500	500	500	500
○ Height	mm	690	729	728	728	712
○ Static Evaporation Loss **	L/d	0.41	0.24	0.34	0.45	0.74
○ Static Hold Time	d	86	209	147	110	68
○ Canister Outer Diameter	mm	97	38	63	97	-
○ Canister Height	mm	120/276	120/276	120/276	120/276	-
○ Numbers of Canisters	ea	6	6	6	6	-
○ Straw Holding Capacity (single level)	0.5ml	5124	792	2244	5124	-
	0.25ml	11952	1788	5022	11952	-
○ Straw Holding Capacity (double level)	0.5ml	9048	1284	3624	9048	-
	0.25ml	19944	2832	8460	19944	-
○ Number of Canes	ea	198	24	72	198	-
○ Number of Vials	ea	990	120	360	990	-
○ Optional Locking Cover	ea	✓	✓	✓	✓	✓

\* Containers with same PN may contain various configurations. Please confirm when ordering

\*\* Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

## Accessories

Cork



Canister





# Large Caliber

This series of containers feature in their large calibers, applying to make short-term storage of large biological products and cold processing for machine accessories.

## Main Features

- High-strength aluminum alloy structure, light empty weight;
- Multi-layer thermal isolation design;
- Protective jacket to prevent collision, portable;
- Two-year vacuum warranty.



## Specifications

Model	Unit	YDS-5-200	YDS-10-125	YDS-13-125	YDS-15-125	YDS-35-200
○ Part Number*	-	20005428	20005433	20005436	20005438	20005450
○ Capacity	L	5.0	10.0	13.0	16.0	35.5
○ Empty Weight	kg	5.3	7.2	7.9	8.9	15.3
○ Neck Diameter	mm	200	125	125	125	200
○ Outer Diameter	mm	287	303	303	355	473
○ Height	mm	320	535	610	610	670
○ Static Evaporation Loss **	L/d	1.67	0.43	0.30	0.30	0.68
○ Static Hold Time	d	3	23	43	53	52
○ Canister Outer Diameter	mm	-	-	-	-	-
○ Canister Height	mm	-	-	-	-	-
○ Numbers of Canisters	ea	-	-	-	-	-
○ Straw Holding Capacity (single level)	0.5ml	-	-	-	-	-
	0.25ml	-	-	-	-	-
○ Straw Holding Capacity (double level)	0.5ml	-	-	-	-	-
	0.25ml	-	-	-	-	-
○ Optional Locking Cover	ea	-	-	-	✓	✓

\* Containers with same PN may contain various configurations. Please confirm when ordering

\*\* Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

## Accessories



Level Measuring Scale



Level Monitor

# Container with Racks

This series is designed to store large quantities of vials while maintaining low liquid nitrogen consumption. These containers are ideally suited for use in medical and biological science and research fields.

## Main Features

- Optional locking cover to protect stored biological samples;
- Racks to provide large storing capacity;
- Optional roller base to move the container easily;
- Optional level monitor automatically displays temperature in container, and send audible alarm when temperature exceeds control range, thus protect stored samples.



## Specifications

Model	Unit	YDS-47-127	YDS-65-216	YDS-120-216	YDS-175-216
Part Number*	-	21099665	20005470	20005471	20005475
Capacity	L	47.0	65.0	121.0	175.0
Empty Weight	kg	19.0	30.5	43.0	54.5
Neck Diameter	mm	127	216	216	216
Outer Diameter	mm	500	573	573	676
Height	mm	675	710	1000	1040
Static Evaporation Loss **	L/d	0.45	0.89	0.95	0.87
Static Hold Time	d	105	73	127	202
Number of Racks	ea	6/7	5	5	7
Measurement of Rack	mm	82x84	142x144	142x144	142x144
Measurement of Box	mm	76x76	134x134	134x134	134x134
Number of Vials	ea	750/875	2025	4050	5670
Optional Locking Cover	ea	✓	✓	✓	✓

\* Containers with same PN may contain various configurations. Please confirm when ordering

\*\* Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

## Accessories



Carrying Cart



Rack

# LN-Only

This series is designed specifically for liquid nitrogen storage, and characterised by their small calibers and low static evaporation loss.

## Main Features

- High-strength aluminum alloy structure, light empty weight;
- Multi-layer thermal isolation design;
- Protective jacket to prevent collision.



## Specifications

Model	Unit	YDS-6L	YDS-10L	YDS-20L	YDS-30L	YDS-35L	YDS-50L
○ Part Number*	-	20413289	20601714	20601711	20601710	20601713	20601715
○ Capacity	L	6.0	10.0	20.0	31.5	35.5	50.0
○ Empty Weight	kg	5.0	6.2	11.2	12.9	13.8	21.1
○ Neck Diameter	mm	50	50	50	50	50	50
○ Outer Diameter	mm	287	303	409	446	473	500
○ Height	mm	435	530	650	670	680	729
○ Static Evaporation Loss **	L/d	0.12	0.12	0.12	0.12	0.12	0.24
○ Static Hold Time	d	52	86	168	254	286	209
○ Canister Outer Diameter	mm	-	-	-	-	-	-
○ Canister Height	mm	-	-	-	-	-	-
○ Numbers of Canisters	ea	-	-	-	-	-	-
○ Straw Holding Capacity	ea	-	-	-	-	-	-
○ Optional Locking Cover	ea	✓	-	-	-	-	-

\* Containers with same PN may contain various configurations. Please confirm when ordering

\*\* Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

## Accessories



Cork



Level Measuring Scale

# Dry Shipper

Liquid nitrogen absorbent is designed in the vessel of this series of containers, which absorbs and stores liquid nitrogen inside. Even if the container is turned over during transportation, liquid nitrogen never spills out. With lower static evaporation loss, these containers are especially suitable for air transportation..

## Main Features

- High-strength aluminum alloy structure, light empty weight;
- Optional locking cover to protect stored biological samples;
- Protective jacket to prevent collision;
- Two-year vacuum warranty.



## Specifications

Model	Unit	YDH-1-127	YDH-1-200	YDH-3	YDH-8-80	YDH-8-90	YDH-47-6	YDH-47-10
○ Part Number*	-	21031802	21015255	20005473	20005474	20670835	21838926	21839010
○ Capacity	L	1.0	1.0	3.5	8.0	8.0	47	47
○ Empty Weight	kg	2.5	5.81	5.32	9.18	12.23	22	22
○ Neck Diameter	mm	127	200	50	80	90	127	127
○ Outer Diameter	mm	195	287	224	303	406	506	506
○ Height	mm	400	320	505	590	485	731	731
○ Static Evaporation Loss **	L/d	1.6	2.4	0.14	0.22	0.35	0.4	0.4
○ Static Hold Time	d	15hr	10hr	25	36	23	21	21
○ Canister Outer Diameter	mm	-	-	38	70	70	103	103
○ Canister Height	mm	-	-	276	276	127	279	279
○ Numbers of Canisters	ea	-	-	1	1	6	6	10
○ Straw Holding Capacity	0.5ml	ea	-	214	820	2588	6702	4500
	0.25ml	ea	-	472	1780	6192	14046	11050
○ Number of Canes	ea	-	-	4	15	-		
○ Number of Vials	ea	-	-	20	75	-		
○ Optional Locking Cover	ea	-	-	✓	✓	✓		

'YDH' is the abbreviation for "Liquid Nitrogen Dry Shipper" in Chinese.

\* Containers with same PN may contain various configurations. Please confirm when ordering

\*\* Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

## Accessories



Protective Shipping Container



Cork



Canister



Locking Cover



# Pushcart

Stainless steel pushcart makes it smooth to move large liquid nitrogen containers. Tipping Stand can be used for pouring liquid nitrogen.



## Specifications

Model	Unit	YDC-470	YDC-470F	YDC-470F-30
Part Number	-	20005481	20603041	20613798
Weight	kg	5.5	8.5	8.5
Tank Range	L	20L-50L	35L	30L
Outer Diameter	mm	600	600	600
Height	mm	900	692	692
Max. Carrying Capacity	kg	70	70	70

'YDC' is the abbreviation for "Liquid Nitrogen Pushcart" in Chinese.

# Auto-boosting Liquid Nitrogen Pump

The product maintains a lower evaporation loss and features a safety release. Using a hand-aspired ball (ZYB-5) or foot cylinder (ZYB-8), a small quantity of liquid nitrogen inside will be vaporized and pressurized, which force liquid nitrogen through the spout.

## Specifications

Model	Unit	ZYB-5	ZYB-8
Part Number	-	20005476	20005477
Height	mm	1050	950
Weight	kg	3.5	7.4
Drainage Capacity	L/min	≥5	≥8
Operating Frequency	Time/min	30-40	50-60
Operating Method	-	By Hand	By Foot

'ZYB' is the abbreviation for "Auto-boosting Liquid Nitrogen Pump" in Chinese.



# CryoTipper

## LN<sub>2</sub> tank transportation and LN<sub>2</sub> dispensing

The MVE CryoTipper introduces a new solution for transporting and dispensing LN<sub>2</sub> for our cryogenic aluminum dewars. The CryoTipper is designed to transport the dewar in the upright configuration regardless of the orientation of the CryoTipper due to the unique design of the CryoTipper's swivel system. Transporting the dewar in the upright configuration increases the safety concerns when transporting dewars such as the risk of spilling LN<sub>2</sub>. The CryoTipper's swivel system also enables tipping the dewar completely upside down in order to dispense liquid nitrogen. Heavy duty velcro straps are included to secure the dewar into the CryoTipper when being transported or used to dispense LN<sub>2</sub>.

### Main Features

- Swivel system to enable tipping and inverting the dewar to dispense LN<sub>2</sub> from an MVE liquid dewar or vapor shipper
- Heavy duty velcro straps to secure the dewar into swivel cage system
- Cage system padding to protect the dewar from damage
- Rugged rubber wheels for easily transporting dewars on all surfaces
- Adjustable ring to ensure tight fit around the dewar
- Constructed from stainless steel



### Specifications

	Medium	Large
○ Tank Diameter Range in. (mm)	14.5 (368) - 17.0 (432)	17.1 (434) - 22 (559)
○ Model Fit Range	YDS-12-90, YDH-8-90, YDS-20-YDS-20L, YDS-35, ET-20, ET-12/4-9, ET-16	YDS-47-127, YDS-50 series, ET-35, ET-40, ET-47
○ Weight lb (kgs)	40.0 (18.1)	50 (22.6)
○ Part Number	21714640	21714641

\* Tank will fit any dewar model securely within the specified diameter range

\* Some assembly required

# MVE CryoCube™ & BL-7

## One-way cryogenic shipping

The MVE CryoCube and MVE BL-7 (Biologicistic) are secure one-way cryogenic shipping options for your biological samples. Both units incorporate creative engineering and simplistic design to allow shipping in any orientation without sacrificing temperature or hold time. Improved welded construction provides the MVE CryoCube and MVE BL-7 with consistent, high quality design with every unit. The units allow you to spend more time managing samples instead of managing shippers.



CryoCube Insert

## Main Features

- Charges in 2 hours\*. Full charge - 24 hours\*. Quick charge - 2 hours\*
- Operates as a dry shipper
- -150° C temperature
- 7-day (BL-7) or 5-day (CryoCube) holding time
- Safe shipping in any orientation
- Safe for international shipping
- Welded construction for added integrity



## Specifications

	MVE CryoCube™	MVE BL-7
○ Part Number	20902359	20860675
<b>Maximum Storage Capacity</b>		
○ Number of Canisters	1	1
○ Number of 1/4 cc Straws 1 Level Bulk	182	270
<b>Performance</b>		
○ LN <sub>2</sub> Capacity w/o Inventory L est.	1.5	2.1
○ Static Holding Time* days	5	7
<b>Unit Dimensions</b>		
○ Neck Opening in. (mm)	1.4 (35)	1.969 (50)
○ Overall Height in. (mm)	12.5 (317.5)	16.142 (410)
○ Overall Width in. (mm)	12 (305)	12.795 (325)
○ Overall Diameter in. (mm)	1.25 (32)	1.496 (38)
○ Weight Empty lb. (kg)	7.5 (3.41)	9.79 (4.45)
○ Weight Charged vapor lb. (kg)	10.2 (4.63)	13.01 (5.9)

## ONE Year Vacuum Warranty

\* Static evaporation rate and static holding time are nominal. Actual rate and holding time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.



## Growing global network supporting the life sciences



17 countries | 50 facilities

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li><b>UK</b><br/>Feltham (London)</li> <li>Stockport (Manchester)</li> <li>Edinburgh</li> <li><b>UK</b><br/>Stockport (Manchester)</li> <li><b>FR</b><br/>Roissy CDG</li> <li><b>PT</b><br/>Lisbon</li> <li><b>NL</b><br/>Kaatshuvel</li> <li><b>NL</b><br/>Amsterdam</li> <li><b>ES</b><br/>Madrid</li> <li>Barcelona</li> <li><b>BE</b><br/>Brussels</li> <li><b>DE</b><br/>Leipzig</li> <li>Greven</li> <li><b>IE</b><br/>Dublin</li> <li><b>PL</b><br/>Warsaw</li> <li><b>US</b><br/>Morris Plains (New Jersey)</li> <li>Irvine (California)</li> <li><b>US</b><br/>Brentwood, Tennessee</li> <li>Irvine, California</li> <li>Morris Plains, New Jersey</li> <li>Houston, Texas</li> <li><b>US</b><br/>Georgia</li> <li>Minnesota</li> </ul> | <ul style="list-style-type: none"> <li><b>US</b><br/>Houston, Texas</li> <li><b>PH</b><br/>Manila</li> <li><b>KR</b><br/>Seoul</li> <li><b>JP</b><br/>Tokyo</li> <li><b>JP</b><br/>Tokyo</li> <li><b>SG</b><br/>Singapore</li> <li><b>SG</b><br/>Singapore</li> <li><b>AU</b><br/>Sydney</li> <li>Melbourne</li> <li><b>AU</b><br/>Sydney</li> <li><b>CN</b><br/>Chengdu</li> <li><b>IN</b><br/>Ahmedabad</li> <li>Bangalore</li> <li>Delhi</li> <li>Hyderabad</li> <li>Mumbai</li> <li>Pune</li> <li>Vizag</li> <li>Indore</li> <li>Jaipur</li> <li>Baroda</li> <li>Chennai</li> <li>Kolkata</li> <li>Chandigarh</li> <li>Lucknow</li> </ul> |
|--|---|



Visit [www.mvebio.com](http://www.mvebio.com) for more information. 1-844-MVE-CRYO



MVE Biological Solutions  
3055 Torrington Drive  
Ball Ground, GA 30107  
Ph +1-470-552-2500  
Toll Free +1-844-683-2796  
Fax +1-404-383-1901  
[customerservice.usa@mvebio.com](mailto:customerservice.usa@mvebio.com)  
[techservice@mvebio.com](mailto:techservice@mvebio.com)

### Intended Use & Indication for Use for Cryogenic Storage and Transport

MVE Dewars and Vapor Shippers are intended for the indication of preserving human biological products, samples, and/or specimens (e.g., blood, blood products, cells, tissues, etc.) at cryogenic and ultracold temperatures during storage and transportation.

© 2025 MVE Biological Solutions reserves the right to discontinue its products, or change the prices, materials, equipment, quality, descriptions, specifications and/or processes to its products at any time without prior notice and with no further obligation or consequence. All rights not expressly stated herein are reserved by us, as applicable.