

# We are

Zhongke Meiling Cryogenics Co., Ltd., a subsidiary of Changhong Meiling Group. The group commit to better life since 1956. Our company is a joint venture which was founded in 2002 by ChanghongMeiling Co., Ltd. and Chinese Academy of Sciences.

**MELING** | **MEGSTEMAN**  
BIOMEDICAL | scientific

## Product Catalogue

# About Zhongke Meiling

Zhongke Meiling, as a national new high-tech enterprise and a joint venture of Changhong Meiling Co.,Ltd.and Chinese Academy of Sciences, was founded in 2002 and located in Hefei Economic Development Zone.

We offer variety of product lines including medical & pharmacy refrigerator, ultra-low temperature freezer, blood bank refrigerator, explosion proof refrigerator, freezer rack & box, cold room, and bio-bank management system. Thanks to the professional sales team and good after-sales services, now Zhongke Meiling covers 2800 counties, 300 cities and total 30 provinces in domestic market. With the international certifications such as ISO & CE & UL, we are dedicated to offering quality products to our business partners including Europe, America, Asia, MENA, for medical systems, blood bank systems, health systems, universities, researches & development institutions, biological medicine factories, gene engineering and life sciences from more than 70 countries. We have 5,000m<sup>2</sup> R&D center and 85,000m<sup>2</sup> workshop which is equipped with global cutting-edge automatic production lines as well as professional ultra-low temperature test center. With more than 30 years development in the refrigeration industry, we have built up our superior team and obtained kinds of patents, especially Mixed Refrigerants which have won the second prize of State Technological Invention Award and the first prize of Chinese Association of Refrigeration.



# Laboratory Consumables

## Vertical Freezer Rack | Sliding-drawer Freezer Rack (Including handle size)



- Made of 304 stainless steel;
- Steel plate thickness: Combination of 0.5mm and 1.0 mm;
- Sliding-drawer design for convenient operations;
- Low temperature rated plastic handles are standard on draw racks for ease and safety of operation;
- Labeling slots are standard on draws;
- The outward pouch design protects the slot from potential damage caused by low temperature;
- The front side is printed with Zhongke Meling's seal;
- Providing personalized customization.

Model Material: SUS304	Layer	Column	Size (W*D*H)
ZKL304-332B-CT	3	3	140*413*180
ZKL304-432B-CT	4	3	140*413*235
ZKL304-442B-CT	4	4	140*549*235
ZKL304-452B-CT	4	5	140*685*235
ZKL304-532B-CT	5	3	140*413*293
ZKL304-542B-CT	5	4	140*549*293
ZKL304-552B-CT	5	5	140*685*293
ZKL304-632B-CT	6	3	140*413*351
ZKL304-642B-CT	6	4	140*549*351
ZKL304-652B-CT	6	5	140*685*351
ZKL304-742B-CT	7	4	140*549*409

## Chest Freezer Rack (Including handle size)



- Corrosion resistant stainless steel made of ultra-thick steel plates;
- Suitable for 2-inches and 1-inch freezer boxes and international standardized freezers;
- Chest freezer rack is simple in structure and easy to use and suitable for liquid nitrogen tank sample storage.

Model Material: SUS304	Layer	Size (W*D*H)
ZKW304-6-2	6	140*143*347
ZKW304-7-2	7	140*143*404
ZKW304-8-2	8	140*143*461
ZKW304-9-2	9	140*143*518
ZKW304-10-2	10	140*143*575
ZKW304-11-2	11	140*143*632
ZKW304-12-2	12	140*143*689



# Laboratory Consumables

2-inches freezer-storage box is the most widely used storage box in the market, which can be divided into PP (polypropylene) storage box, PC (polycarbonate) storage box and PA (paper) storage box according to the material. It can be used for storage of 0.5ml, 1.0ml, 1.5ml and 1.8ml in various brands freezers.

## PP Box

- Made of medical-grade transparent polypropylene material;
- temperature range from -90 °C to 121 °C, can be used for low temperature storage or autoclave;
- Perfectly matching low temperature freezer, avoiding appearing sequence disorder, greatly improving space utilization;
- Transparent cover designed for easy observation of the sample in the box;
- Cover with grid and code for easy inventory management and error free access;
- Available in five colors: transparent, pink, blue, green and yellow;
- There are gaps for the surrounding of the box, which facilitates rapid cooling of the sample and liquid discharge and is not easy to frost;
- Angle special design to avoid mis-operation of box cover;
- Standard size design, suitable for all standard storage racks.



## PC Box

- Made of medical-grade transparent polycarbonate material;
- Temperature range from -196 °C to 121 °C, used for the liquid nitrogen storage or autoclave;
- Transparent cover designed for easy observation of the sample in the box;
- Cover with grid and code for easy inventory management and error free access;
- Red, blue, green and yellow colors are available;
- There are gaps for the surrounding for the box to facilitate rapid cooling of the sample and discharge of liquid nitrogen to prevent boiling;
- Angle special design to avoid mis-operation of box cover.



## PA Box

- Made of durable cardboard;
- Protective cover of the box is non-frost and easy to resist moisture, low temperature tolerance;
- Temperature range from -196°C to 121°C(Also can be used in autoclave);
- Can be used for liquid nitrogen storage after hole drilling;
- Removable grid strip (with writing area), easy to label on the surface;
- White, pink, blue, green and yellow totally 5 colors are available;
- Suitable for all standard freezer racks.



## Cryo Tubes

- The medical level high transparent PP material, can withstand temperature from -196 °C to 121 °C;
- Self-standing, with O shaped gasket to ensure airtight;
- Large writing area, easy to mark by user;
- With scale, adding sample size is easy to identify;
- DNA/RNA free certification ensures stable preservation of genetic samples;
- Through the gamma ray sterilization to ensure the highest sterile requirements;
- Tolerable maximum centrifugal force of 20000G;
- Multi-color selection for the cover, easy to identify samples.



Model	Type	Volume	Sterile	Description
ZKG-1.5-W	External Thread Tube and Box	1.5ml	Gamma Irradiation Sterilization	with scale and writing area,temperature tolerance:-196°C ~ 121°C, comes with on 100-well PC freezer box the box lid has grids ,1200units/box
ZKG-2.0-W	External Thread Tube and Box	2.0ml	Gamma Irradiation Sterilization	with scale and writing area,temperature tolerance:-196°C ~ 121°C, comes with on 100-well PC freezer box the box lid has grids ,1200units/box
ZKG-2.0-B-W	External Thread Tube and Box	2.0ml	Gamma Irradiation Sterilization	with scale and writing area,temperature tolerance:-196°C ~ 121°C, comes with on 100-well PC freezer box the box lid has grids ,1200units/box



# ULT Freezer + Consumables Solutions

## -86°C Vertical ULT Freezer Rack Matching Solution

We will recommend the perfect frozen layer rack matching scheme to improve freezer space utilization and satisfy storage requirements of biobanks.



Drawer Type:5 Layers and 4 Columns  
( ZKL304-542B-CT )



Drawer Type:5 Layers and 3 Columns  
( ZKL304-532B-CT )

Model	Freezer Rack Model	Rack Description	Freezer Rack Quantity	Freezer Box Quantity	Cryo Tube Quantity (2ml)
DW-HL50	ZKL304-632B-CT	2 inches stainless steel sliding -drawer freezer rack 6*3 (2 inch freezer box*18)	2	36	3600
DW-HL100	ZKL304-432B-CT	2 inches stainless steel sliding -drawer freezer rack 4*3 (2 inch freezer box*12)	3	63	6300
	ZKL304-332B-CT	2 inches stainless steel sliding -drawer freezer rack 3*3 (2 inch freezer box*9)	3		
DW-HL218	ZKL304-542B-CT	2 inches stainless steel sliding -drawer freezer rack 5*4 (2 inch freezer box*20)	3	132	13200
	ZKL304-642B-CT	2 inches stainless steel sliding -drawer freezer rack 6*4 (2 inch freezer box*24)	3		
DW-HL340	ZKL304-542B-CT	2 inches stainless steel sliding -drawer freezer rack 5*4 (2 inch freezer box*20)	9	216	21600
	ZKL304-432B-CT	2 inches stainless steel sliding -drawer freezer rack 4*3 (2 inch freezer box*12)	3		
DW-HL398	ZKL304-552B-CT	2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	12	300	30000
DW-HL528	ZKL304-552B-CT	2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	16	400	40000
DW-HL678	ZKL304-552B-CT	2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	20	500	50000
DW-HL778	ZKL304-552B-CT	2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	24	600	60000
DW-HL858	ZKL304-552B-CT	2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	12	660	66000
	ZKL304-652B-CT	2 inches stainless steel sliding -drawer freezer rack 6*5 (2 inch freezer box*30)	12		
DW-HL1008	ZKL304-552B-CT	2 inches stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	14	770	77000
	ZKL304-652B-CT	2 inches stainless steel sliding -drawer freezer rack 6*5 (2 inch freezer box*30)	14		

\*The "Cryo Tube Quantity (2ml) " of DW-HL858, DW-HL1008 in this chart is the maximum storage .

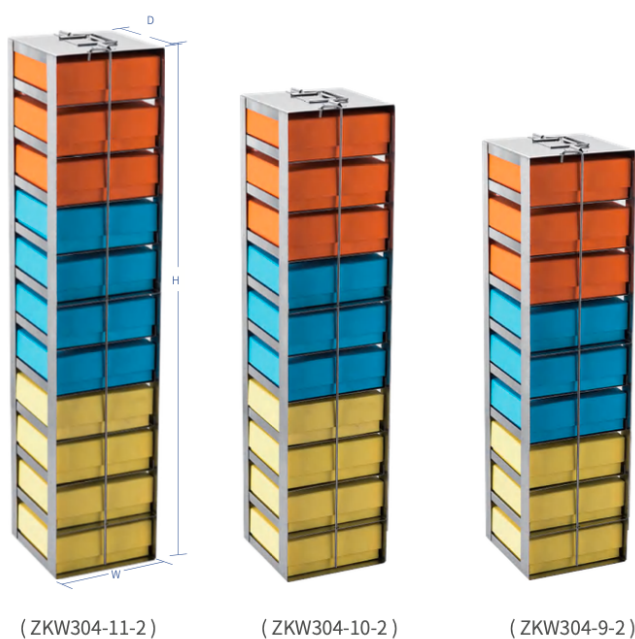
# ULT Freezer Package With Racks And Boxes

## -86°C Chest ULT Freezer Rack Matching Solution

Organizing freezer space for increased work efficiency.

### Chest Freezer Rack

- Made of 304 stainless steel for durability and better appearance;
- Steel plate thickness: combination of 0.6 and 1.2 mm;
- Suitable for standard sized freezer boxes;
- Widely used for chest ultra low freezers and nitrogen containers.

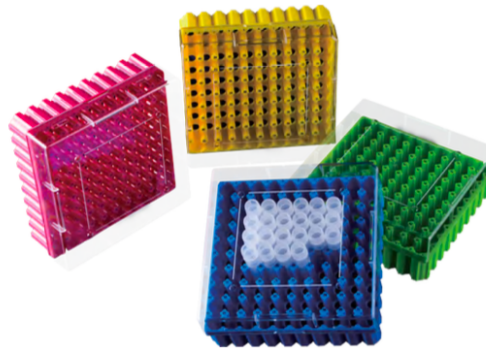


Model	Freezer Rack Model	Rack Description	Freezer Rack Quantity	Freezer Box Quantity	Cryo Tube Quantity (2ml)
DW-HW50	ZKW304-7-2	2 inches stainless steel chest freezer rack (2 inch freezer box*7)	6	42	4200
DW-HW138	ZKW304-10-2	2 inches stainless steel chest freezer rack (2 inch freezer box*10)	9	90	9000
DW-HW328	ZKW304-10-2	2 inches stainless steel chest freezer rack (2 inch freezer box*10)	24	240	24000
DW-HW668	ZKW304-10-2	2 inches stainless steel chest freezer rack (2 inch freezer box*10)	40	400	40000

# ULT Freezer + Consumables Solutions

## -164°C / -150°C Chest Cryogenic Freezer Rack Matching Solution

- 150°C/-164°C Cryogenic freezer stainless steel chest frozen layer rack , high strength PC frozen layer box, can withstand the temperature of -196°C~121°C;
- The new appearance design, the gap and line design of the box body is conducive to the rapid cooling of samples and the rapid discharge of liquid, the transparent box cover design and the clear digital mark on the box body is easy to observe and find samples.



Model	Freezer Rack Model	Rack Description	Freezer Rack Quantity	Freezer Box Quantity	Cryo Tube Quantity (2ml)
DW-ZW128	ZKW304-9-2	2 inches stainless steel chest freezer rack (2 inch freezer box*9)	9	81	8100
DW-UW128	ZKW304-9-2	2 inches stainless steel chest freezer rack (2 inch freezer box*9)	9	81	8100
DW-UW258	ZKW304-9-2	2 inches stainless steel chest freezer rack (2 inch freezer box*9)	16	144	14400

## -40°C Vertical And Chest ULT Freezer Rack Matching Solution



(ZKL304-542B-CT)



(ZKW304-11-2)

Model	Freezer Rack Model	Rack Description	Freezer Rack Quantity	Freezer Box Quantity	Cryo Tube Quantity (2ml)
DW-FL528	ZKL340-552B-CT	2 inches stainless steel sliding drawer freezer rack (2 inch freezer box*20)	16	320	32000
DW-FW150	ZKW304-10-2	2 inches stainless steel chest freezer rack (2 inch freezer box*10)	12	120	12000
DW-FW270	ZKW304-10-2	2 inches stainless steel chest freezer rack (2 inch freezer box*10)	21	210	21000
DW-FW360	ZKW304-10-2	2 inches stainless steel chest freezer rack (2 inch freezer box*10)	27	270	27000

\*The model, parameters and performance specified in this brochure may be changed without prior notice because of product upgrading.

\*There may be differences between the product images shown in this brochure and the actual products. When you buy these equipments, please confirm with the factory at first.

\*The verification date of product parameters is 2023.02.17.



Better Science Better Life

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