

Better Science Better Life

# We are

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

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**MELING**  
BIOMEDICAL

# Product Catalogue

# CATALOGUE

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## About Meling

MELING BIOMEDICAL, as a national new high-tech enterprise and a joint venture of Hefei 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 Meling 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 5,000 m<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 has won the second prize of State Technological Invention Award and the first prize of Chinese Association of Refrigeration.



# -164°C/-150°C Cryogenic Freezer

## New Upgraded World's Coldest Freezer



DW-UW128

- Targeted Refrigeration
- Low Temperature Limit
- Innovator in Refrigeration Industry
- National Awards

### Dual-core targeted refrigeration

- Double-core targeted refrigeration, rapid refrigeration, energy saving and environmentally-friendly ;
- Second prize of national science and technology invention;
- Temperature set point can be adjusted from -110 ° C to -150 ° C through the precise controller.

### Refrigeration System

- Environmental protective refrigerant invented by Chinese academy of sciences (CAS);
- Unique refrigeration circuit design with China patent;
- Refrigeration technology of single-stage oil slide compressor, powerful cooling ability;
- Famous international compressor, efficiency cooling with eco-refrigerant;
- Imported famous brand fan motor with premium quality.

### Security System

- The well-developed security system with multiple audible & visual alarm functions: high/ low temperature alarm, power failure alarm, sensor failure alarm, low battery alarm, condenser overheating alarm, system failure alarm, to ensure the sample safety storage ;
- The compressor start delay and stopping interval protection can ensure reliable operation;
- The Electronic lock/fingerprint/face recognition can prevent any adjustment of operating parameters without permission.

### Human-oriented Design

- Horizontal type with lid to be opened from the top, assisting balanced hinges to open it easily;
- Casters can be fixed for easy movement and fixation.

### Scope of Application

Application to scientific research, low temperature test of special materials, freeze red blood cell, white blood cell, skins, DNA/RNA, bones, bacteria, sperm and biological products etc. Suitable for use in blood bank station, hospitals, sanitation and anti-epidemic stations, biological engineering, laboratories in colleges & universities, military enterprises and so on.

Model	Effective Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Power Supply (V/Hz)	Freezer Rack (Model & Quantity)	Net Weight (Kg)
DW-UW128	128	-110~-150	1665*1000*1115	510*460*540	380/50	ZKW304-9-2 : 9	338
DW-UW258	258	-110~-150	2250*940*1120	1140*410*552	380/50	ZKW304-9-2 : 16	435

# -86°C Ultra-low Temperature Freezer

## Android Screen Ultra-low Temperature Freezer



DW-HL1008SA/HC



- Targeted Refrigeration
- Unique Refrigeration Circuit
- Energy Saving Environmental Protection
- VIP Plus Vacuum Insulation Panel

### 7" LED Screen Control System

- The 7" Android HD touch screen has clear display, user-friendly interface and more accurate temperature control, with Bluetooth, Wi-Fi and other functions, more convenient operation and more comprehensive functions;
- The high-precision microcomputer control system and platinum resistor sensors enable users to set temperature inside the cabinet within a range from -40 to -86°C.

### Refrigeration System

- The imported high-efficiency compressor and EBM fan are energy-saving and highly efficient;
- The large finned condenser with a space between fins ≤2mm, providing effective heat dissipation;
- DW-HL678SA/778SA/858SA/1008SA with twin-compressor, if one is damaged, the other one could keep the temperature at -70°C stably;
- Standard with VIP board for high efficiency cooling performance. Door with hot gas pipe surrounding for defrost.

### Security System

- The perfect audible & visual alarm system : high and low temperature, sensor failure, power failure, low battery, door ajar, main board communication error, high ambient temperature ,condenser overheating alarm, built-in datalogger USB failure, System failure alarm, optional remote alarm etc . ;
- The compressor start delay and stopping interval protection can ensure reliable operation;
- Both the touch screen controller and keyboard controller have password protection which can prevent any adjustment of operation without permission.

### Human-oriented Design

- The new designed assisting handle and vacuum release port let the freezer be operated single-handed to open and close the outer door;
- The newly added file box makes recording easier and more convenient;
- The liner made from galvanized steel (optional stainless steel) for medical use is low-temperature tolerant and corrosion-resistant, which has a long service life and is easy to clean;
- The universal casters and leveling feet design are more convenient for movement and fixation.

### Wifi

Connect WiFi to upload data to the cloud space, monitor the device, check the status of the freezer faster, and ensure the safety of the samples.

Model	Effective Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Freezer Rack (Model & Quantity)	Net Weight (Kg)
DW-HL398SA/HC	398	-40~-86	785*1041*1947	440*696*1266	ZKL304-552B-CT : 12	237/247
DW-HL528SA/HC	528	-40~-86	930*1041*1947	585*696*1266	ZKL304-552B-CT : 16	286/296
DW-HL678SA/HC	678	-40~-86	1090*1025*1955	750*696*1286	ZKL304-552B-CT : 20	330/330
DW-HL778SA/HC	778	-40~-86	1205*1025*1955	865*696*1286	ZKL304-552B-CT : 24	365/365
DW-HL858SA/HC	858	-40~-86	1217*1025*1994	877*696*1378	ZKL304-552B-CT : 12+ ZKL304-652B-CT : 12	390/390
DW-HL1008SA/HC	1008	-40~-86	1362*1025*1994	1022*696*1378	ZKL304-552B-CT : 14+ ZKL304-652B-CT : 14	430/426

# -86°C Ultra-low Temperature Freezer

## Cost-efficient Ultra-low Temperature Freezer



- Cost-effective Freezer
- High performance

### Precise Temperature Control

- High-precision microcomputer temperature control system and platinum resistor temperature sensors enable users to set temperature inside the cabinet within a range from -40°C to -86°C.

### Refrigeration System

- The imported high-efficiency compressor and EBM fan are energy-saving and highly efficient;
- The large finned condenser with a space between fins ≤ 2mm, providing effective heat dissipation;
- Standard with VIP PLUS Vacuum Insulation Panel for high efficiency cooling performance. Door with hot gas pipe surrounding for defrost.

### Security System

- The perfect audible & visual alarm system : high and low temperature, sensor failure, power failure, low battery, door ajar, main board communication error, high ambient temperature, built-in datalogger USB failure, optional remote alarm, etc.;
- The compressor start delay and stopping interval protection can ensure reliable operation;
- Both the controller and keyboard controller have password protection which can prevent any adjustment of operation without permission.

### Human-oriented Design

- The door with new-type assisting door handle to be opened easily;
- Door handle with lock for safety operation;
- With high-quality Galvanized steel sheet (optional stainless steel) interior and 304 stainless steel shelf, low temperature resistance anti-corrosion for long service life and easy cleaning;
- Universal wheels easy for movement and fixation.

Model	Effective Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Freezer Rack (Model & Quantity)	Net Weight (Kg)
DW-HL100/HC	100	-40~-86	1066*742*820	450*439*514	ZKL304-432B-CT : 3+ZKL304-332B-CT : 3	145
DW-HL218/HC	218	-40~-86	862*976*1555	470*582*768	ZKL304-542B-CT : 3+ZKL304-642B-CT : 3	218
DW-HL340	340	-40~-86	755*895*1982	470*578*1250	ZKL304-542B-CT : 9+ZKL304-432B-CT : 3	208

# -86°C Ultra-low Temperature Freezer

## • Chest Series • Intelligent Cooling • Speed Cooling • Energy Saving



DW-HW50HC

### High-precision Temperature Control

- Digital temperature display, display inner temperature, power and voltage, ambient temperature at the same time;
- 2 inches high-brightness digital temperature display, microprocessor-based temperature controller, inner temperature can be set from -40°C to -86°C.

### Refrigeration System

- Applied with Secop (Danfoss) compressor, single compressor system with target mixture refrigerant to reduce noise and improve the cooling temperature come to -86°C stably and effectively.

### Security System

- The perfect audible & visual alarm system :High/low temperature, sensor failure, power failure, low battery, door ajar, high ambient temperature, main board communication error, condenser overheating alarm, built-in datalogger USB failure, optional remote alarm, etc.;
- The compressor start delay and stopping interval protection can ensure reliable operation;
- Keyboard lock and password protection function to prevent arbitrary adjustment of operating parameters;
- Safety door lock design, ensure safety sample storage.

### Human-oriented Design

- Internal stainless steel, external pre-painted, 4 universal Casters for easy handling;
- Front opening lockable door with full height handle, with vacuum release port for easy open during cooling operation;
- 110mm foaming insulation with VIP board for better temperature performance.

### High-precision Temperature Control

- Digital temperature display, display the chamber temperature, power supply voltage, ambient temperature and other parameters, etc. The running status is clearly displayed;
- High-precision microcomputer temperature control system and platinum resistor temperature sensors enable users to set temperature inside the cabinet within a range from -40 ~ -86°C.

### Refrigeration System

- The imported high-efficiency compressor and EBM fan are energy-saving and highly efficient;
- 152mm foaming insulation with VIP board for better temperature performance.

### Security System

- The well-developed security system with multiple audible & visual alarm functions: high&low temperature, door ajar, power failure, sensor failure, low battery, condenser overheated alarm, system failure;
- The compressor start delay and stopping interval protection can ensure reliable operation;
- The keyboard lock function and password protection function can prevent any adjustment of operating parameters without permission;
- Long time support back-up battery for display and alarms system during power failure for supportive safety notification.

### Human-oriented Design

- The door with new-type assisting handle can be opened easily;
- SUS304 interior, low temperature resistance and corrosion resistance, easier cleaning;
- Universal caster with brake, easy for movement and fixation.



DW-HW138

Model	Effective Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Freezer Rack (Model & Quantity)	Net Weight (Kg)
DW-HW50HC	50	-40~-86	650*606*1080	430*305*425	ZKW-304-7-2 : 6	74
DW-HW138	138	-40~-86	1328*890*1025	490*470*582	ZKW304-10-2 : 9	200
DW-HW328	328	-40~-86	2038*890*1025	1200*470*582	ZKW304-10-2 : 24	280
DW-HW668	668	-40~-86	2008*1180*1041	1200*815*666	ZKW304-10-2 : 40	352

# -86°C Ultra-low Temperature Freezer

## Undercounter Freezer



DW-HL50HC

### High-precision Temperature Control

- Digital temperature display, display inner temperature, power and voltage, ambient temperature through the integrated panel at the same time;
- High-brightness digital temperature display; microprocessor-based temperature controller, Inner temperature from -40°C to -86°C can be set according to the user's requirement.

### Refrigeration System

- Applied Secop (Primary Danfoss) compressor, 1 unit to reduce noise and improve the cooling performance;
- Door surrounded with hot gas pipe for better defrost;
- With 110mm foaming insulation including Vacuum Isolated Panel for high-efficiency cooling performance.

### Security System

- The perfect audible & visual alarm system : High/low temperature , sensor failure, power failure, low battery, door ajar, high ambient temperature , main board communication error, condenser overheating alarm, built-in datalogger USB failure, remote alarm, etc.;
- Startup delay and stop interval protection for compressor to ensure reliable operation;
- Keyboard lock and password protection function to prevent arbitrary adjustment of operating parameters;
- Safety door lock design to ensure the safety, ensure the safety for sample storage;
- Long time support back-up battery for display and alarms system during power failure for supportive safety notification.

### Human-oriented Design

- Galvanized steel interior, Outer is painted steel panel, 4 universal Casters for easy handling;
- Equipped with built-in USB datalogger for easy and permanent temperature data storage;
- Optional with freezer racks and boxes for convenient sample storage.

## -86°C Portable Ultra-low Temperature Freezer



DW-HL1.8

### Intelligent temperature control

- High definition digital display with the display accuracy reaching 0.1°C;
- The inner temperature can be set from -40 °C to -86 °C.

### Refrigeration System

- New Smart refrigeration design with energy-efficient CFC-free refrigerant;
- Portable design which can both use 24V vehicle power supply and 220V household power supply;
- The foaming body and accessory device for heat preservation use soft EVA blind hole foaming materials for better cooling performance.

### Security System

- With multiple security alarms including high temperature alarm, low temperature alarm, sensor fault alarm, power outage alarm which can preserve samples in a safer way;
- The protection of power-on delay and power-off interval ensure the safety operation;
- Keyboard with lockout system and keyword protection prevent from adjusting operation parameters without permission;
- The double-locking design makes sure the safety for sample storage.

### Human-oriented Design

- The cabinet is made of high quality structural steel plate with smart volume, which can be directly placed on the test bench for easy access to samples;
- Simple and convenient control system and cabinet handle for easy operation.

Model	Effective Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
DW-HL50HC	50	-40~-86	951*700*757	305*425*430	104
Model	Effective Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
DW-HL1.8	1.8	-40~-86	245*282*496	150*150*87	11

# -40°C Ultra-low Temperature Freezer



DW-FL90

DW-FL270

DW-FL450



DW-FL439



DW-FL528

### High-precision Temperature Control

- Digital temperature display and temperature inside the cabinet can be set within a range from -20°C to -40°C;
- High precision microcomputer temperature control system; Platinum resistor temperature sensors ensure more precise temperature control.

### Refrigeration System

- Premium quality compressor and EBM fan are energy saving and environmental friendly;
- The refrigerating circuit with proprietary intellectual property rights ensures high efficiency and stability for temperature performance.

### Security System

- Audible & visual alarm system: high and low temperature alarm, door ajar alarm, sensor failure alarm, power failure alarm, low battery alarm, USB data-logger alarm, Communication failures, remote alarm etc.(DW-FL450/DW-FL439/DW-FL528/678/778/1008);
- The compressor start delay and stopping interval protection can ensure reliable operation.;
- Keyboard lock prevent from operating parameters without permission;
- Door with lock, improving security of sample storage;
- Long time support back-up battery for display and alarms system during power failure for supportive safety notification.

### Human-oriented Design

- The cabinet is equipped with 7~14 drawers for convenient sample storage;
- The low noise design can create a comfortable work environment;
- Door surrounded with hot gas pipe for better defrosting;
- With built-in USB data-logger for more than 1 year which makes the temperature data storage easier(For models standard with USB).

Model	Effective Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
DW-FL90	90	-20~-40	700*669*854	500*485*532	54
DW-FL270	270	-20~-40	700*640*1792	500*460*1235	90
DW-FL439	439	-20~-40	850*740*1935	650*560*1305	175
DW-FL450	450	-20~-40	810*735*1960	(650*570*627)*2	144
DW-FL528	528	-20~-40	930*1041*1947	585*696*1266	234
DW-FL678	678	-20~-40	1090*1025*1955	1088*1010*1967	258
DW-FL778	778	-20~-40	1205*1025*1955	865*696*1286	286
DW-FL1008	1008	-20~-40	1362*1025*2002	1360*1006*1980	320

# -40°C Ultra-low Temperature Freezer

Can be upgraded to -60°C Ultra-low Temperature Freezer



Strong Refrigeration,  
Professional Tuna Storage



Environmental  
Refrigeration System



High Precision  
Temperature Control System



Humanized Design

## Control System

- High precision microcomputer temperature control, more accurate;
- Chamber temperature can be set within a range from -20°C to -40°C;
- High-precision microcomputer temperature control system and platinum resistor temperature sensors ensure more precise temperature control.

## Refrigeration System

- International famous brand compressor and famous fan can guarantee fast cooling, energy-saving and environmentally friendly;
- CFC free polyurethane foaming technology, perfect insulation performance, hot gas surrounding pipe to prevent from condensation.

## Security System

- The compressor start delay and stopping interval protection can ensure reliable operation;
- The well-developed security system with multiple audible & visual alarm function: high & low temperature alarm, sensor failure alarm, power failure alarm, low battery alarm;
- Door with key lock to prevent opening without permission.

## Thermal Insulation System

- Two-layer heat insulating foamed door and the insulation design of the outer door system with multiple patents can prevent lossing of refrigerating capacity in an effective way;
- 110mm foaming insulation for better temperature performance.

## Human-oriented Design

High-quality steel plate structure with powder coating, stainless steel liner and low noise design can create a comfortable work environment.

## Scope of Application

Suitable for use in scientific research, cryogenic test on special materials, blood plasma cryopreservation, low temperature resistance test on biological materials, vaccines, biological products and military products, etc. Suitable for use in research institutions, the electronic industry, the chemical industry, hospitals, the health & disease prevention system, laboratories in colleges & universities, military enterprises, etc.

Model	Effective Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
DW-FW150	150	-20~-40	811*775*929	585*465*651	60
DW-FW270	270	-20~-40	1245*775*929	1019*465*651	77
DW-FW360	360	-20~-40	1534*775*929	1308*465*651	98

# -10~-25°C Biomedical Freezer



## High-precision Temperature Control

- Digital temperature display, inner temperature can be set within a range from -10°C to -25°C;
- The high-precision microcomputer temperature control system and platinum resistor temperature sensors ensure more precise temperature control.

## Refrigeration System

- The compressor supplied by an international famous brand and EBM fan are energy-saving and environmentally friendly;
- The refrigerating circuit with proprietary intellectual property rights ensures high efficiency and stability;
- Hot gas pipe surrounding to prevent from condensation;
- DW-YL450 with 2 cooling system for separate chamber temperature control.

## Security System

- The well-developed audible & visual alarm system makes it safer for storage: high and low temperature alarm, door ajar alarm, sensor failure alarm. DW-YL450 also have power failure alarm, low battery alarm and USB date logger failure alarm;
- The startup delay and stop interval protection function can ensure reliable operation;
- The keyboard lock function can prevent any adjustment of operating parameters without permission;
- The door is equipped with a lock, improving security of sample storage.

## Human-oriented Design

- The built-in door gasket is dustproof and easy to clean; DW-YL450 standard with USB built-in datalogger for temperature data record;
- The cabinet is equipped with drawers that are convenient for storage of samples.

Model	Effective Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
DW-YL90	90	-10~-25	700*669*854	500*485*532	54
DW-YL270	270	-10~-25	700*640*1792	500*460*1235	90
DW-YL450	450	-10~-25	810*735*1960	(650*570*627)*2	136
DW-YW226A	226	-10~-25	1115*610*890	954*410*703	50
DW-YW358A	358	-10~-25	1350*785*880	1220*545*673	59
DW-YW508A	508	-10~-25	1650*735*880	1504*545*673	74

## 2~8/-10~-26/-40°C Combined Refrigerator and Freezer



### High-precision Temperature Control

- High-precision microcomputer temperature control system;
- Multiple alarm sensors for High and low temperature, ambient temperature and evaporator temperature ensuring the safe and stable running;
- High brightness digital temperature display with 0.1°C display precision.

### Refrigeration System

- Equipped with high-efficiency compressor and international brand fan for energy saving and silent running;
- 2 separate cooling systems (2 compressors): one ensuring temperature from 2°C~8°C for the upper chamber, the other one keeping the temperature from -10°C to -26°C/-40°C settable for the down chamber; if one compressor damaged, the other one could still work normally.

### Security System

- Audible and visual alarm system: high and low temperature alarm, high ambient alarm, sensor failure alarm, door ajar alarm, power failure alarm, low battery alarm, data-logger failure alarm, remote alarm, etc.;
- External door handle and padlock to prevent unauthorized opening;
- Long time support back-up battery for display and alarms system during power failure.

### Human-oriented Design

- Drawers for convenient sample storage;
- Shelves with divided sections;
- Door gasket surrounded with hot gas pipe for better defrosting;
- With built-in USB data-logger for temperature data storage more than 600 days (for models standard with USB).

Model	Effective Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
YCD-EL300	300	R:2~8/F:-10~-26	700*640*1876	R:600*510*657/F:500*460*535	87
YCD-FL300	300	R:2~8/F:-10~-40	700*640*1876	R:600*510*657/F:500*460*535	100
YCD-EL289	289	R:2~8/F:-10~-26	700*640*1845	R:600*510*710/F:500*460*505	140
YCD-FL289	289	R:2~8/F:-10~-40	700*640*1845	R:600*510*710/F:500*460*505	143
YCD-EL450	450	R:2~8/F:-10~-26	810*735*1960	(650*570*627)*2	144
YCD-FL450	450	R:2~8/F:-10~-40	810*735*1960	(650*570*627)*2	146
YCD-EL519	519	R:2~8/F:-10~-26	910*740*1972	R:750*610*740/F:650*560*565	186
YCD-FL519	519	R:2~8/F:-10~-40	910*740*1972	R:750*610*740/F:650*560*565	186

## 2~8°C Pharmacy Refrigerator

### Real Air Cooling

Vortex multi-channel refrigeration system, finned evaporator, completely solve the problem of frosting, temperature uniformity greatly improved.

### Real Energy Saving

Equipped with "M+ energy core" power management system, combined with all-air cooling design, the energy saving efficiency can be improved by more than 40%.

### Real Visibility

Electric heating + Low-E design, double considerations, the glass door anti-condensation effect is better.

### Real Safety

7 sensors channel temperature sensor, high temperature control accuracy, almost 0 fluctuation, safer storage.

### Small size refrigerator



### 5 series Pharmacy Refrigerator



# 2~8°C Pharmacy Refrigerator



## Intelligent Temperature Control

- Equipped with high-precision microcomputer temperature control system and high-brightness digital temperature display with a display precision of 0.1°C;
- Equipped with a remote alarm access port and RS485 data access port.

## Security System

- The well-developed audible & visual alarm, system with multiple audible & visual alarm functions: high temperature alarm, low temperature alarm, sensor failure alarm, door ajar alarm, power failure alarm, low battery alarm, USB data-logger failure alarm, remote alarm, etc.;
- The compressor start delay and stopping interval protection can ensure reliable operation;
- The door is equipped with a lock, preventing it from opening accidentally.

## Refrigeration System

Equipped with compressor supplied by international famous brand, high-efficiency air-cooled condenser and finned evaporator, ensuring fast refrigeration.

## Human-oriented Design

- Equipped with high-quality shelves made from PVC-coated steel wire with tag cards and classification marks, which are easy to clean;
- Equipped with built-in USB datalogger, which can store 2-year data and automatically export in PDF format.;
- Door heating modes: automatic, continuous and off mode, to prevent glass door from condensation;
- Optional with temperature printer.

Model	Effective Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Number of Shelves	Net Weight (Kg)
YC-55L	55	2~8	540*560*632	444*440*404	2	35
YC-75L	75	2~8	540*560*764	444*440*536	3	41
YC-130L	130	2~8	650*625*810	554*510*588	3	51
YC-315L	315	2~8	650*673*1762	580*533*1122	4+1	87
YC-395L	395	2~8	650*673*1992	580*533*1352	6+1	95
YC-525L	525	2~8	720*810*1973	610*685*1264	6	141
YC-650L	650	2~8	715*941*1985	605*725*1515	5	142
YC-650LC	650	2~8	715*941*1985	605*725*1515	5	142
YC-725L	725	2~8	1093*772*1992	980*595*1260	12	171
YC-1015L	1015	2~8	1180*954*1990	1070*670*1515	12	223
YC-1320L	1320	2~8	1453*881*1998	1340*670*1515	10	235
YC-1320LC	1320	2~8	1453*881*1998	1340*670*1515	10	258
YC-1505L	1505	2~8	1795*886*1990	1685*670*1514	18	322

# 2~8°C Explosion-proof Refrigerator



- National high level certification of **Ex d ib MB IIB T4**
- International standard
- Intelligent security



## Control System

- The high-precision microcomputer temperature control system and platinum resistor temperature sensors enable user to set temperature inside the cabinet from 2°C to 8°C;
- 1 inch high brightness digital temperature display with 0.1°C precision.

## Refrigeration System

- CFC free refrigerant, international famous high efficiency compressor, energy-saving and highly efficient;
- EBM fan, strong and evenly air flow, energy saving and green.

## Security System

- The whole machine is explosion-proof, the fan and control board are isolated and explosion-proof, and the compressor is sealed and explosion-proof;
- The condenser has stable heat dissipation performance, which greatly reduces the influence of dust and other environments on heat dissipation;
- The well-developed security system with multiple audible & visual alarm function: sensor failure alarm, high/ low temperature alarm etc. to ensure the storage sample safety;
- Got China national explosion-proof certification, explosion-proof grade: Ex d(ib)mb IIB T4.

## Human-oriented Design

- The main cabinet is made of cold rolled steel and the interior is with SUS 304, which is easy to clean and corrosion resistant;
- 4 removable and adjustable shelves; The lower part of the cabinet has 2 large drawers to meet the maximum storage need;
- Low noise design to create a comfortable working environment.

## Scope of Application

The product is used for storing inflammable, explosive, easily vaporized, easily corroded and other chemical reagents, laboratory reagents and other samples, and is suitable for efficient laboratories, scientific research units of the experimental sites.

Model	Effective Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
YC-360EL	360	2~8	640*696*1880	530*565*1312	133



# 2~8°C Ice Lined Refrigerator

Intelligent Control & Constant Temperature  
Multiple Alarms Bring More Security  
WHO/PQS



YC-150EW



YC-275EW

## Constant Temperature under Intelligent Control

High-precision micro-processed temperature control system with built-in high-sensitivity temperature sensors, ensuring a constant temperature inside;

### Control System

- 4-digit LED high-brightness digital display;
- Temperature range from 2°C to 8°C, and the precision of temperature display is 0.1°C.

### Refrigeration system

- Premium compressor and built-in ice packs inside of the cabinet to keep the chamber temperature within a range from 2°C to 8°C;
- HCFC-free Refrigerant;
- Be characterized by fast refrigeration and low noise.

### Security System

- The well-developed alarm system: high and low temperature alarm, sensor failure alarm, power failure alarm, low battery alarm;
- The compressor start delay and stopping interval protection can ensure reliable operation;
- Door with a lock, preventing it from unauthorized opening;
- Keep the temperature between 2°C~8°C at least 20 hours during power failure at the ambient temperature with 43°C;
- 72 hours back-up battery for display and alarms system during power failure for supportive safety notification.

### Human-oriented Design

- The built-in door handle can prevent damage during transportation and save space;
- There are 4 universal wheels and 2 casters with brake, which makes it can be moved and fixed easily;
- Stainless Steel interior, Corrosion resistant and easy to clean.

### Scope of Application

Suitable for storage of biological products, vaccines, drugs, reagents, etc. Suitable for use in pharmacies, pharmaceutical factories, hospitals, centers for disease prevention & control, clinics, etc.

Model	Effective Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
YC-150EW	150	2-8	811*775*964	585*465*651	76
YC-275EW	275	2-8	1245*775*964	1019*465*651	87

# 4°C Blood Bank Refrigerator

Precise Temperature Control Safeguarding Security of Blood



### Control Panel

The digital average temperature display facilitates observation and monitoring of temperature inside the cabinet, and the precision of temperature display reaches 0.1°C.

### Refrigeration System

Equipped with environmentally-friendly Freon-free refrigerant and compressor supplied by an international famous brand, the refrigerator is characterized by fast refrigeration and low noise.

### Security System

- The well-developed alarm system (high /low temperature, door opening, sensor failure, power failure ) makes it safer for storage;
- The compressor start delay and stopping interval protection can ensure reliable operation.
- The door is equipped with lock, preventing it from unauthorized opening;
- 72 hours back-up battery for display and alarms system during power failure for supportive safety notification;

### Human-oriented Design

- The high-quality steel wire shelves are easy to clean and convenient for storage and removal of samples;
- There are four universal casters at the bottom of the cabinet, two front casters which have the function of self-locking.

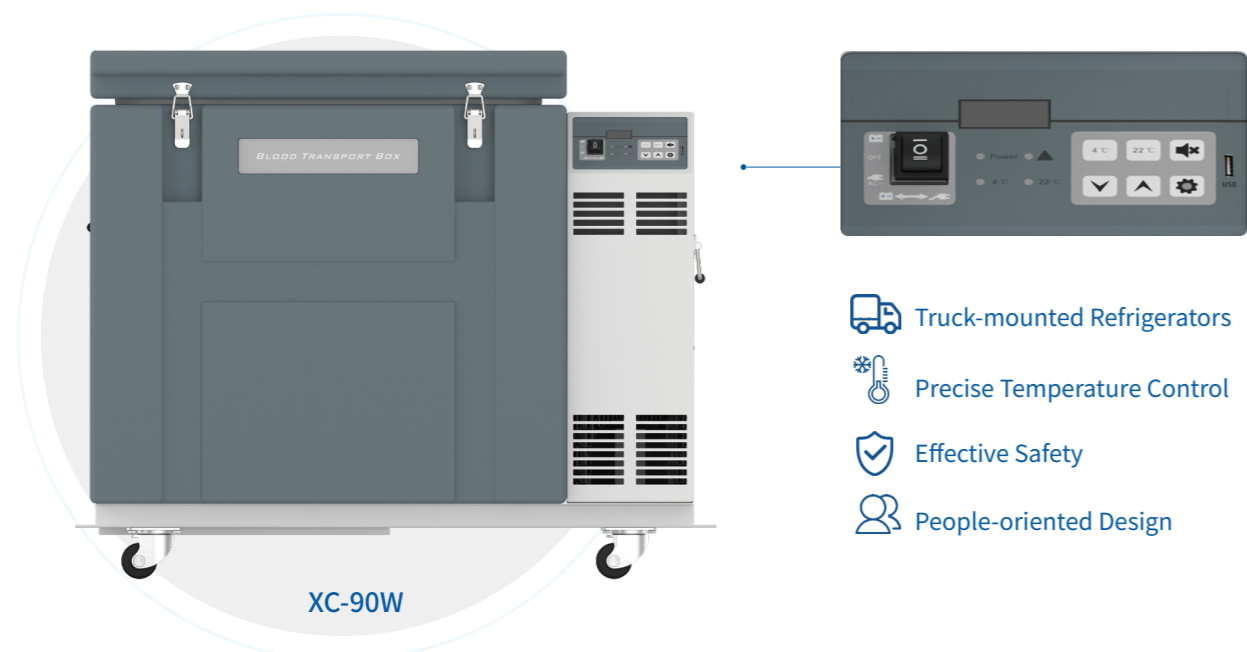
### Scope of Application

Suitable for storage of whole blood, blood platelets, red blood cells, biological products, vaccines, drugs, reagents, etc. Suitable for use in blood banks, hospitals, research institutions, disease prevention & control centers, etc.

Model	Effective Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Number of Shelves	Net Weight (Kg)
XC-170L	170	4	654*774*1330	525*550*744	3	106
XC-170LC	170	4	654*774*1330	525*550*744	3	106
XC-268L	268	4	640*760*1864	530*490*1145	5	125
XC-368L	368	4	806*723*1870	677*493*1145	5	163
XC-380L	380	4	717*660*1999	604*490*1400	5	132
XC-630L	630	4	812*912*1978	685*690*1373	6	179
XC-630LC	630	4	812*912*1978	685*690*1373	6	179

# +4°C/+22°C (±1) Mobile Blood Bank Refrigerator

Constant temperature intelligent control protects blood safety



## High-precision Temperature Control

- LCD display, easy to accurately observe the temperature inside the monitoring refrigerator, temperature display accuracy of 0.1 °C;
- High precision temperature sensors, automatic temperature control module, keeping the temperature control accuracy in the refrigerator within ±1 °C.

## Refrigeration System

- International well-known brand compressor, high-efficiency condensation fan, overall noise of 47.6 dB, compressor using AC power supply, matching vehicle batteries;
- Forced-air cooling circulation temperature control, heating wire for effective.

## Security System

- Completed sound and light alarm system: high /low temperature alarm, sensor failure alarm, low battery alarm;
- Operational with AC power through the car for transportation;
- 72 hours back-up battery for display and alarms system during power failure for supportive safety notification.

## Human-oriented Design

- Full large storage space, both sides are equipped with handles, 4 casters for easy movement, door with lock to prevent from unauthorized opening;
- 4 baskets inside for easy inventory application.

## Scope of Application

Suitable for storage of whole blood, blood platelets, red blood cells, biological products, vaccines, drugs, reagents, etc. Suitable for use in blood banks, hospitals, research institutions, disease prevention & control centers, etc.

Model	Effective Volume (L)	Temperature(°C)	External Dimensions (W*D*H, mm)	Internal Dimensions (W*D*H, mm)	Net Weight (Kg)
XC-90W	90	+4/+22 (±1)	1080*565*856	516*365*500	75

# Laboratory Consumables

Vertical Freezer Rack | Side-access Freezer Rack (Including handle size)

- Frame and interior grids are made with 304 stainless steel for durability and better appearance;
- No sharp edges to avoid risk of injury;
- Steel plate thickness: combination of 0.5 and 1.0mm;
- Side-access design makes it convenient and economic;
- Suitable for common low temperature freezers;
- Perfectly suitable for standard sized freezer boxes;
- The front side is printed with meiling stenciled seal;
- Provide personalized customization.



Model		Layer	Column	Size (W*D*H)
Material: SUS201	Material: SUS304			
ZKL201-332B-FG	ZKL304-332B-FG	3	3	140*413*180
ZKL201-432B-FG	ZKL304-432B-FG	4	3	140*413*235
ZKL201-442B-FG	ZKL304-442B-FG	4	4	140*549*235
ZKL201-452B-FG	ZKL304-452B-FG	4	5	140*685*235
ZKL201-532B-FG	ZKL304-532B-FG	5	3	140*413*293
ZKL201-542B-FG	ZKL304-542B-FG	5	4	140*549*293
ZKL201-552B-FG	ZKL304-552B-FG	5	5	140*685*293
ZKL201-632B-FG	ZKL304-632B-FG	6	3	140*413*351
ZKL201-642B-FG	ZKL304-642B-FG	6	4	140*549*351
ZKL201-652B-FG	ZKL304-652B-FG	6	5	140*685*351
ZKL201-742B-FG	ZKL304-742B-FG	7	4	140*549*409

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

- Made with 304 stainless steel;
- Steel plate thickness: Combination of 0.5mm and 1.0mm;
- 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 Meiling's seal;
- Provide personalized customization.



Model		Layer	Column	Size (W*D*H)
Material: SUS201	Material: SUS304			
ZKL201-332B-CT	ZKL304-332B-CT	3	3	140*413*180
ZKL201-432B-CT	ZKL304-432B-CT	4	3	140*413*235
ZKL201-442B-CT	ZKL304-442B-CT	4	4	140*549*235
ZKL201-452B-CT	ZKL304-452B-CT	4	5	140*685*235
ZKL201-532B-CT	ZKL304-532B-CT	5	3	140*413*293
ZKL201-542B-CT	ZKL304-542B-CT	5	4	140*549*293
ZKL201-552B-CT	ZKL304-552B-CT	5	5	140*685*293
ZKL201-632B-CT	ZKL304-632B-CT	6	3	140*413*351
ZKL201-642B-CT	ZKL304-642B-CT	6	4	140*549*351
ZKL201-652B-CT	ZKL304-652B-CT	6	5	140*685*351
ZKL201-742B-CT	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-inch and 1-inch freezer boxes and international standardized freezers;
- Chest freezer rack is simple in structure and easy to use, especially suitable for liquid nitrogen tank sample storage.

Model		Layer	Size (W*D*H)
Material: SUS201	Material: SUS304		
ZKW201-6B-2	ZKW304-6B-2	6	140*143*347
ZKW201-7B-2	ZKW304-7B-2	7	140*143*404
ZKW201-8B-2	ZKW304-8B-2	8	140*143*461
ZKW201-9B-2	ZKW304-9B-2	9	140*143*518
ZKW201-10B-2	ZKW304-10B-2	10	140*143*575
ZKW201-11B-2	ZKW304-11B-2	11	140*143*632
ZKW201-12B-2	ZKW304-12B-2	12	140*143*689

# Laboratory Consumables

2-inch 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

- Use medical-grade transparent polypropylene material;
- temperature range from -90 °C to 121 °C, can be used for low temperature storage or autoclave;
- Perfect match low temperature freezer, avoid appearing sequence disorder, greatly improve 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.



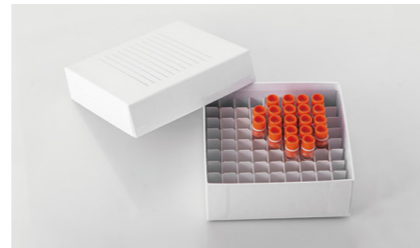
## PC Box

- Use medical-grade transparent polycarbonate material, wear resistant;
- Temperature range from -196 °C to 121 °C, can be 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 of 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.



### Side-access Freezer Rack

- Made of 304 stainless steel for durability and better appearance;
- No sharp edges to avoid risk of injury;
- Steel plate thickness: combination of 0.5 and 1 mm;
- Side-access design makes it convenient and economic.

### Sliding-drawer Freezer Rack

- Made of 304 stainless steel for durability and better appearance;
- No sharp edges to avoid risk of injury;
- Steel plate thickness: combination of 0.6 and 1.2 mm;
- Suitable for common low temperature freezers and standard sized freezer boxes.

Product	Model	Rack Description	Rack Dimension (W*D*H)mm	ULT Freezer Models
2 inch stainless steel rack	ZKL304-432B-FG	2 inch stainless rack 4*3 (2 inch box*12)	140*413*235	DW-HL100 / 340
	ZKL304-542B-FG	2 inch stainless rack 5*4 (2 inch box*20)	140*549*293	DW-HL218 / 340
	ZKL304-552B-FG	2 inch stainless rack 5*5 (2 inch box*25)	140*685*293	DW-HL398SA / 528SA / 678SA / 778SA / 858SA / 1008SA
	ZKL304-432B-CT	2 inch stainless rack 4*3 (2 inch box*12)	140*413*235	DW-HL100 / 340
	ZKL304-542B-CT	2 inch stainless rack 5*4 (2 inch box*20)	140*549*293	DW-HL218 / 340
	ZKL304-552B-CT	2 inch stainless rack 5*5 (2 inch box*25)	140*685*293	DW-HL398SA / 528SA / 678SA / 778SA / 858SA / 1008SA

# ULT Freezer + Consumables Solutions

Freezer Model	Freezer Rack Model	Rack Description	Freezer Rack Quantity	Freezer Box Quantity	Cryo Tube Quantity (2ml)
DW-HL50	ZKL304-632B-CT	2 inch stainless steel sliding -drawer freezer rack 6*3 (2 inch freezer box*18)	2	36	3600
DW-HL100	ZKL304-432B-CT	2 inch stainless steel sliding -drawer freezer rack 4*3 (2 inch freezer box*12)	3	63	6300
	ZKL304-332B-CT	2 inch stainless steel sliding -drawer freezer rack 3*3 (2 inch freezer box*9)	3		
	ZKL304-432B-FG	2 inch stainless steel side -access freezer rack 4*3 (2 inch freezer box*12)	3	63	6300
	ZKL304-332B-FG	2 inch stainless steel side -access freezer rack 3*3 (2 inch freezer box*9)	3		
DW-HL218	ZKL304-542B-CT	2 inch stainless steel sliding -drawer freezer rack 5*4 (2 inch freezer box*20)	3	132	13200
	ZKL304-642B-CT	2 inch stainless steel sliding -drawer freezer rack 6*4 (2 inch freezer box*24)	3		
	ZKL304-542B-FG	2 inch stainless steel side -access freezer rack 5*4(2 inch freezer box*20)	3	132	13200
	ZKL304-642B-FG	2 inch stainless steel side -access freezer rack 6*4 (2 inch freezer box*24)	3		
DW-HL340	ZKL304-542B-CT	2 inch stainless steel sliding -drawer freezer rack 5*4 (2 inch freezer box*20)	9	216	21600
	ZKL304-432B-CT	2 inch stainless steel sliding -drawer freezer rack 4*3 (2 inch freezer box*12)	3		
	ZKL304-542B-FG	2 inch stainless steel side -access freezer rack 5*4(2 inch freezer box*20)	9	216	21600
	ZKL304-432B-FG	2 inch stainless steel side -access freezer rack 4*3 (2 inch freezer box*12)	3		
DW-HL398SA	ZKL304-552B-CT	2 inch stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	12	300	30000
	ZKL304-552B-FG	2 inch stainless steel side -access freezer rack 5*5 (2 inch freezer box*25)	12	300	30000
DW-HL528SA	ZKL304-552B-CT	2 inch stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	16	400	40000
	ZKL304-552B-FG	2 inch stainless steel side -access freezer rack 5*5 (2 inch freezer box*25)	16	400	40000
DW-HL678SA	ZKL304-552B-CT	2 inch stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	20	500	50000
	ZKL304-552B-FG	2 inch stainless steel side -access freezer rack 5*5 (2 inch freezer box*25)	20	500	50000
DW-HL778SA	ZKL304-552B-CT	2 inch stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	24	600	60000
	ZKL304-552B-FG	2 inch stainless steel side -access freezer rack 5*5 (2 inch freezer box*25)	24	600	60000
DW-HL858SA	ZKL304-552B-CT	2 inch stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	12	660	66000
	ZKL304-652B-CT	2 inch stainless steel sliding -drawer freezer rack 6*5 (2 inch freezer box*30)	12		
	ZKL304-552B-FG	2 inch stainless steel side -access freezer rack 5*5 (2 inch freezer box*25)	12	660	66000
	ZKL304-652B-FG	2 inch stainless steel side -access freezer rack 6*5 (2 inch freezer box*30)	12		
DW-HL1008SA	ZKL304-552B-CT	2 inch stainless steel sliding -drawer freezer rack 5*5 (2 inch freezer box*25)	14	770	77000
	ZKL304-652B-CT	2 inch stainless steel sliding -drawer freezer rack 6*5 (2 inch freezer box*30)	14		
	ZKL304-552B-FG	2 inch stainless steel side -access freezer rack 5*5 (2 inch freezer box*25)	14	770	77000
	ZKL304-652B-FG	2 inch stainless steel side -access freezer rack 6*5 (2 inch freezer box*30)	14		

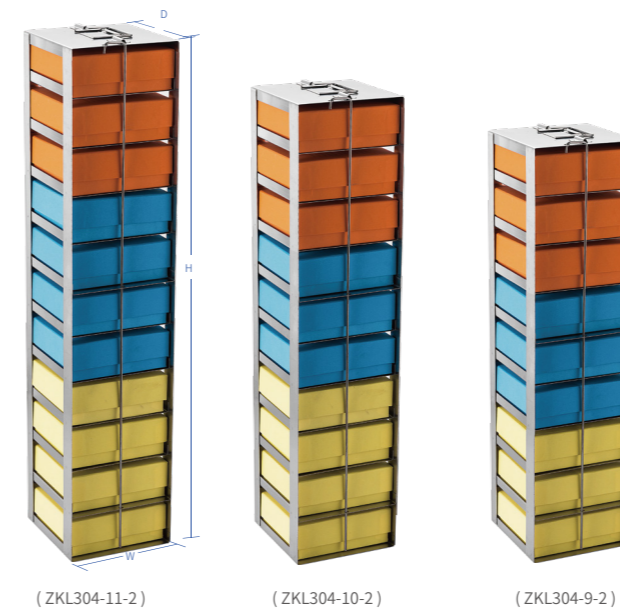
\*The "Cryo Tube Quantity (2ml)" of DW-HL858SA, DW-HL1008S/SA in this chart is the maximum storage .

## -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.



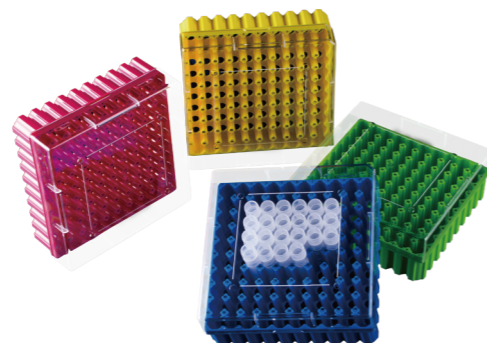
Product	Model	Rack Description	Rack Dimension (W*D*H).mm	ULT Freezer Models
2 inch stainless steel rack	ZKL304-10-2	2 inch stainless rack (2 inch box*10)	140*143*518	DW-HW138 / 328
	ZKL304-10-2	2 inch stainless rack (2 inch box*10)	140*143*575	DW-HW668

Freezer Model	Freezer Rack Model	Rack Description	Freezer Rack Quantity	Freezer Box Quantity	Cryo Tube Quantity (2ml)
DW-HW50	ZKW304-7-2	2 inch stainless steel chest freezer rack (2 inch freezer box*7)	6	42	4200
DW-HW138	ZKW304-10-2	2 inch stainless steel chest freezer rack (2 inch freezer box*10)	9	90	9000
DW-HW328	ZKW304-10-2	2 inch stainless steel chest freezer rack (2 inch freezer box*10)	24	240	24000
DW-HW668	ZKW304-10-2	2 inch 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 choose 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, easy to observe and find samples.



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

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



(ZKL304-542-CT)



(ZKL304-11-2)

Freezer Model	Freezer Rack Model	Rack Description	Freezer Rack Quantity	Freezer Box Quantity	Cryo Tube Quantity (2ml)
DW-FL528	ZKL340-542B-CT	2 inch stainless steel sliding drawer freezer rack (2 inch freezer box*20)	16	320	32000
DW-FW150	ZKW304-10-2	2 inch stainless steel chest freezer rack (2 inch freezer box*10)	12	120	12000
DW-FW270	ZKW304-10-2	2 inch stainless steel chest freezer rack (2 inch freezer box*10)	21	210	21000
DW-FW360	ZKW304-10-2	2 inch 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 2021.10.21.

# Optional Features

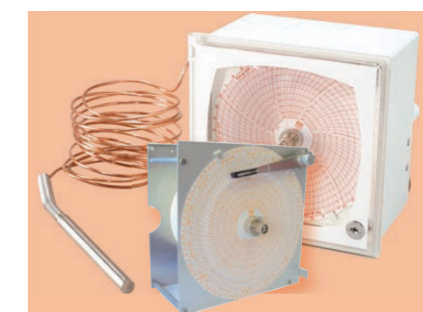
## CO2 backup system

- Small footprint and portable with convenient installation;
- Applicable to all the ULT freezers or refrigeration cabinet which has access port;
- 48 hours battery back-up in case of main power failure;
- Large capacity, maintenance-free battery;
- Visible and audible indicators of system status, perfect alarm system to protect your samples safety;
- Door safety interlock switch prevents coolant injection if freezer door is opened; Injection valve will back to the original state once the door is closed properly.



## Chart Recorder

- The module measures temperature by means of a probe filled with a neutral gas linked to a capillary tube;
- This technology provides you with temperature recorders without electronics;
- No power supply is required;
- A spring maintains the fiber pen arm for a better reliability of the system;
- A locked door avoids any trouble during the monitoring process;
- European imported brand, durable and reliable.



## Remote alarm and RS485 port

Through RS485 contact and conventional protocol, freezer can connect with CMS for data communication, such as product failure, alarm information can be transmitted through the external equipment, to ensure the storage safety of samples.



## Printer

Printer function for temperature data printing, printing every 20 minutes for 7 days of data.



# Meling Product Map

## -86°C Ultra-low Temperature Freezer>>



## -40°C Ultra-low Temperature Freezer/-60°C Deep Freezer>>



## -40°C Ultra-low Temperature Freezer>>

## 2~8°C Ice Lined Refrigerator>>

## 2~8°C Explosion-proof Refrigerator>>



## -25°C Biomedical Freezer>>



## 2~8°C, -10~-26/-40°C Combined Refrigerator & Freezer>>

## 4±1°C Blood Bank Refrigerator >>



## 2~8°C Pharmacy Refrigerator

