



# LABOAO

**ZHENGZHOU LABOAO INSTRUMENT EQUIPMENT CO., LTD**

Professional Laboratory Solution Provider



# | ABOUT US

Zhengzhou Laboao Instrument Equipment Co., Ltd (LABOAO) is a high-tech enterprise integrating R&D, production, sales, import and export, and is a leading laboratory equipment solution provider in China. LABOAO is headquartered in Zhengzhou, China. It has a group of excellent management and technical personnel who strive for excellence and constantly pursue progress and innovation. After fifteen years of hard work, it has achieved sustained and steady development, and its products are exported to Europe, America, Southeast Asia, the Middle East, South Africa, etc. 150 countries, we are working hard to establish a global regional service agency to provide better services and products for global customers.

The company has always adhered to the corporate tenet of "innovative technology, life first", focusing on laboratory research, life science, biomedical engineering and other fields, focusing on continuous innovation and development, improving the technical content of products, enriching product categories, realizing product upgrades, and gradually strengthening the enterprise. Core competitiveness, LABOAO regards product quality as the vitality of the enterprise, all our products have undergone strict testing and quality inspection, and have established a set of strict internal quality control system in accordance with international quality standards, and meet strict international standards. So far, the company has passed ISO9001 quality management system certification, EU CE, SGS, TUV, CNAS and other certifications.

LABOAO's main business involves laboratory instruments/consumables, life science instruments, chemical analysis instruments, optical instruments, medical equipment, drug inspection instruments, agricultural instruments, food inspection instruments and other industry-related instruments. Our products are widely used in laboratories, scientific research institutions, universities, chemical companies, hospitals, new energy, agriculture, food, metallurgy and mining, construction, petroleum and other industries.

The company introduces world-class automated production equipment and production technology, and continuously expands production capacity to meet customer needs. The investment of advanced production equipment and software facilities makes the enterprise more international standardization and standardization. LABOAO actively carries out various cooperations such as OEM and ODM with world-renowned enterprises. In continuous practice and application, LABOAO will continue to provide high-quality products and services to global customers.

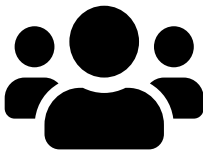
# | Our Culture

LABOAO's vision: To become a professional international technology driven laboratory supplier  
LABOAO's values: Focus, Quality, Innovation, Environmental Protection  
LABOAO's mission: Adhere to "innovative technology" as the company's development purpose, promote the progress of global laboratory research, and serve the beautiful and healthy life of mankind.



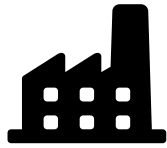
15<sup>YRS</sup>

Laboratory Solution



130<sup>PPL</sup>

Research & Design



20000<sup>SQM</sup>

Industrial Plant



7X24<sup>HRS</sup>

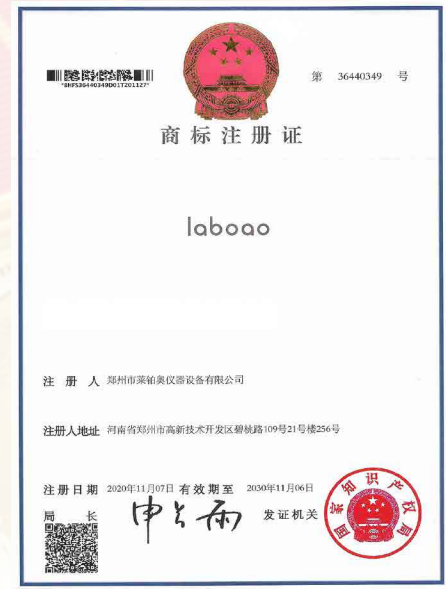
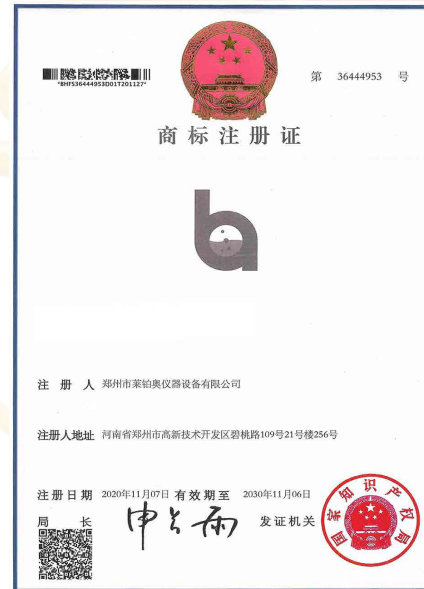
Technical Support





# Quality is Always Our First Principle

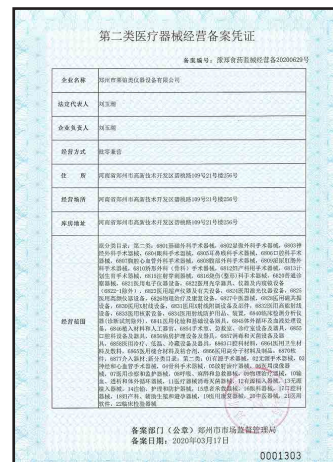
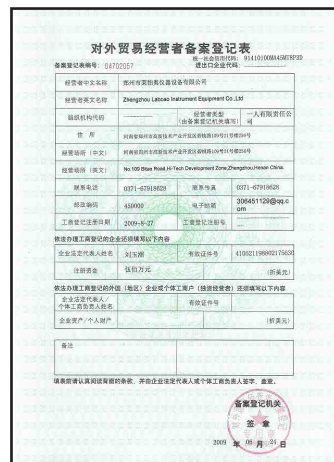
We strive to provide high quality products and sincere and professional services to customers around the world, has been highly recognized by customers in more than 200 countries and regions.



## Qualification

Since its establishment, LABOAO has always adhered to the "quality first" production philosophy. It is our tireless pursuit to provide customers with high-quality products. In the past few years, the company has obtained a variety of qualification certificates, which reflect our strict requirements for products and the The affirmation of our products.

In order to ensure that each product can operate normally and be delivered to customers in good condition, we have very strict internal quality control and factory testing. We have passed ISO, CE, SGS and other certificates successively for exporting to all parts of the world. A solid foundation has been laid for laboratories, enterprises, hospitals, research institutes, universities and other places.





# Our Workshop

We have a standard production workshop and a complete production team. They always produce a serious and responsible attitude to produce each product.

Our R&D team is made up of multi-aspects professional engineers such as design engineer, technology specialist, qualified specialist and process control manager, etc.



## Standardized Production Line

We have 5 main production lines, which are laboratory equipment, distillation and extraction equipment, biological treatment equipment, optical analysis equipment, and low-temperature storage equipment production lines.

Our qualified specialists strictly realize the process comprehensive supervision based on our quality process control system, which contains products design, research and development, test, production, quality inspection and packaging.

We guarantee the quality and functionality of our products and will continue to help you quickly and efficiently whenever something does not operate to your satisfaction.



# | Product Warehouse



# | Market Area

We strive to provide high quality products and sincere and professional services to customers around the world, has been highly recognized by customers in more than 150 countries and regions.

Up to now, we have provided more than 60,000 instruments and devices to more than 20,000 users worldwide.



# | Packing & Shipping

Our supply chain management team will fulfill each order and ensure on-time delivery. Sales item by item, usually shipped within 1 to 3 weeks.

Our product packaging has been proven over the long term and we usually have plywood boxes or cartons with trays. In order to save you transportation costs, we usually use cardboard boxes (small goods) or wooden boxes (large or heavy goods). We will arrange the appropriate packaging according to the weight and size of the goods. Of course, you can also choose the packaging form.





# 05

## LOW TEMPERATURE FREEZER

Ultra Low Temperature Freezer	2
Medical Freezer	9
Blood Bank Refrigerator	12
Pharmacy Refrigerator	13
Medical Mobile Cooler	14

### -164°C Cryogenic Freezer

-164°C Cryogenic Freezer can be used for scientific research, special material experiments, freezing red blood cells, white blood cells, skin, DNA/RNA, bones, bacteria, semen, biological products, etc. It is suitable for blood stations, hospitals, health and epidemic prevention systems, scientific research institutions, biological engineering, university laboratories, military industrial and mining enterprises, etc.

#### Features

- Rapid cooling in 6 hours.
- VIP vacuum insulation board.
- Password protection function.
- LN2 backup system.
- Optional temperature record printer.
- Audible & visual alarm functions.
- More than 5 refrigerants.

#### | Dual-core targeted refrigeration

a unique high-efficiency circulating refrigeration system.

#### | Three-dimensional insulation

VIP vacuum insulation panels, lock the air-conditioning, to ensure the insulation effect.

#### | Core components

single-stage oil lubricating compressor refrigeration technology, stronger refrigeration capacity; international famous brand compressor, fast refrigeration.

#### Specification

Model	Capacity	External Size(W*D*H)	Internal Size(W*D*H)	Power	Temperature range
LDW-ZW128	128L	1510*985*1120 mm	510*460*540 mm	8200 W	-120°C~-164°C



-150°C Cryogenic Freezer

-150°C Cryogenic Freezer can be used for scientific research, special material experiments, freezing red blood cells, white blood cells, skin, DNA/RNA, bones, bacteria, semen, biological products, etc. It is suitable for blood stations, hospitals, health and epidemic prevention systems, scientific research institutions, biological engineering, university laboratories, military industrial and mining enterprises, etc.

Features

- Rapid cooling in 6 hours.
- 200 mm thickness insulation.
- 7inch LCD touch controller.
- 40mm thick built-in thermal insulation door.
- Standard USB interface.
- Multi protection functions.
- 2 types of alarm outputs: audible buzzer and visible flashing light.

| Cool down quickly

It only takes 6 hours to reach -150°C deep low temperature, easy to remove the front cover of the condenser, easy to clean and maintain.

| Safety and environmental protection

Self-developed stand-alone self-cascade refrigeration system, efficient and environmentally friendly mixed refrigerant formula.

| Core components

Using imported brand French origin Tecumseh compressor, stable and reliable.



Specification

Model	Capacity	External Size(W*D*H)	Internal Size(W*D*H)	Power	Temperature range
LDF-150H128	128L	1560*957*1178 mm	500*450*578 mm	2550 W	-40°C~-150°C

-86°C ULT Freezer With Cascade System

An ultra low temperature (ULT) freezer is a refrigerator that stores contents at between -40°C to -86°C. An ultra low temperature freezer is commonly referred to as a "minus 80 freezer" or a "negative 80 freezer", referring to the most common temperature standard. This ULT freezer is used for long-term cryopreservation for biological samples of many molecular biology or life science laboratories, like DNA, RNA, proteins, cell extracts, or reagents.

Features

- 7 Inches touch Screen.
- Height-adjustable shelf trays.
- Audible buzzer and visible flashing light alarm.
- SS304 stainless steel chamber.
- File shelf.
- Whiteboard for filling in records.
- Optional CO2/LN2 back up system.
- Optional Chart recorder.



Specification

Model	Capacity	External Size(W*D*H)	Internal Size(W*D*H)	Power	Temperature range
LDF-86V338	380L	854*1072*1907 mm	488*607*1140 mm	870 W	-40°C~-86°C
LDF-86V408	408L	891*992*1945.5 mm	606*575*1180 mm	845 W	-40°C~-86°C
LDF-86V588	588L	891*1155*1994.5 mm	606*738*1310 mm	815 W	-40°C~-86°C
LDF-86V728	728L	1248*975*1994.5 mm	963*558*1350 mm	935 W	-40°C~-86°C
LDF-86V838	838L	1179*1135*1994.5 mm	894*718*1310 mm	890 W	-40°C~-86°C

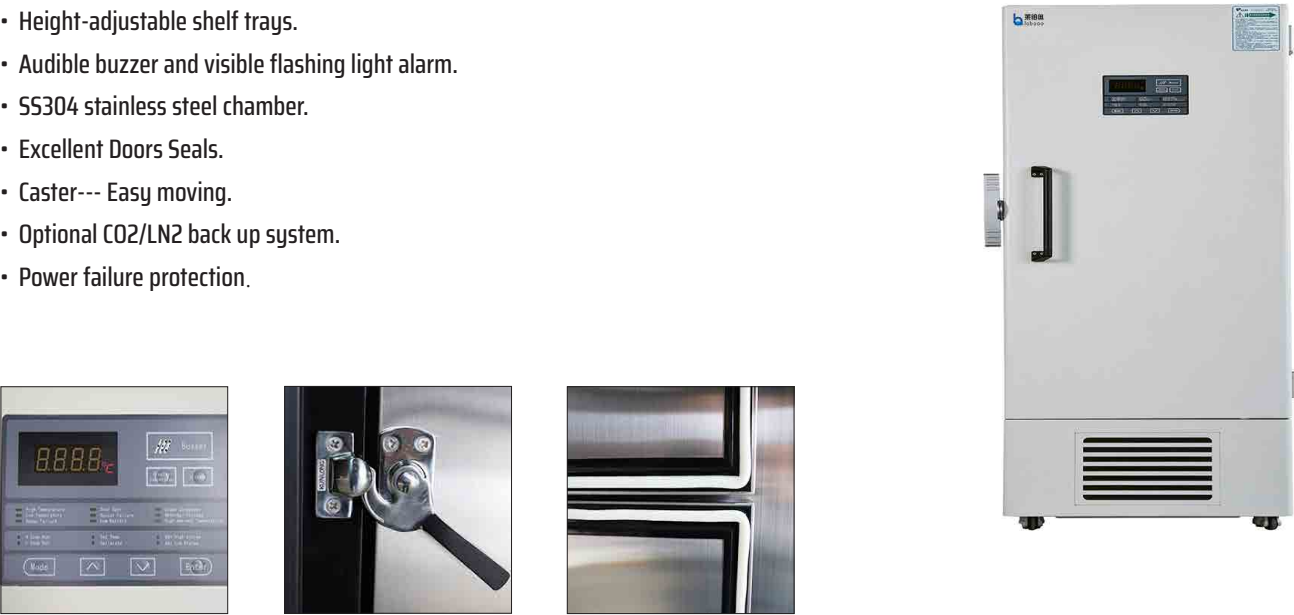
-86°C ULT Freezer With Self-Cascade System

An ultra low temperature (ULT) freezer is a refrigerator that stores contents at between -40°C to -86°C. An ultra low temperature freezer is commonly referred to as a "minus 80 freezer" or a "negative 80 freezer", referring to the most common temperature standard.

This ULT freezer is used for long-term cryopreservation for biological samples of many molecular biology or life science laboratories, like DNA, RNA, proteins, cell extracts, or reagents.

Features

- Mixed CFC-Free refrigerant.
- Height-adjustable shelf trays.
- Audible buzzer and visible flashing light alarm.
- SS304 stainless steel chamber.
- Excellent Doors Seals.
- Caster--- Easy moving.
- Optional CO2/LN2 back up system.
- Power failure protection.



Specification

Model	Capacity	External Size(W*D*H)	Internal Size(W*D*H)	Power	Temperature range
LDF-86V58	58L	635*757*1212 mm	330*453*410 mm	442 W	-40°C~-86°C
LDF-86V188E	188L	830*810*1607.5 mm	465*465*830 mm	660 W	-40°C~-86°C
LDF-86V340E	340L	854*1006*1907 mm	488*607*1140 mm	810 W	-40°C~-86°C
LDF-86V408E	408L	872*1028*1945.5 mm	606*575*1180 mm	890 W	-40°C~-86°C
LDF-86V588E	588L	872*1192*1994.5 mm	606*738*1310 mm	1500 W	-40°C~-86°C
LDF-86V728E	728L	1229*1012*1994.5 mm	963*571*1350 mm	1400 W	-40°C~-86°C
LDF-86V838E	838L	1175*1075*1990 mm	894*718*1310 mm	1700 W	-40°C~-86°C

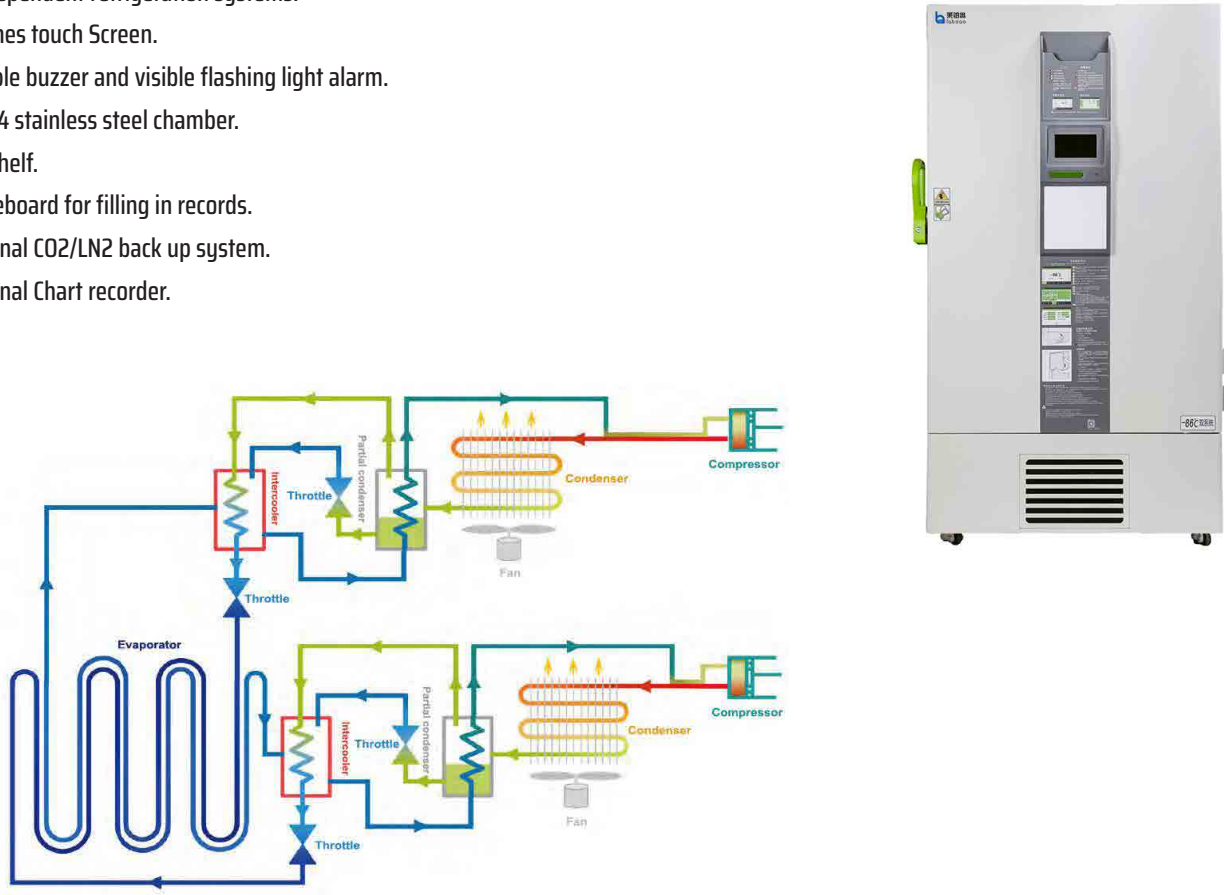
-86°C ULT Freezer With Dual System

An ultra low temperature (ULT) freezer is a refrigerator that stores contents at between -40°C to -86°C. An ultra low temperature freezer is commonly referred to as a "minus 80 freezer" or a "negative 80 freezer", referring to the most common temperature standard.

This ULT freezer is used for long-term cryopreservation for biological samples of many molecular biology or life science laboratories, like DNA, RNA, proteins, cell extracts, or reagents.

Features

- 2 independent refrigeration systems.
- 7 Inches touch Screen.
- Audible buzzer and visible flashing light alarm.
- SS304 stainless steel chamber.
- File shelf.
- Whiteboard for filling in records.
- Optional CO2/LN2 back up system.
- Optional Chart recorder.



Specification

Model	Capacity	External Size(W*D*H)	Internal Size(W*D*H)	Power	Temperature range
LDF-86V408D	408L	891*992*1945.5 mm	606*575*1180 mm	1350 W	-40°C~-86°C
LDF-86V588D	588L	891*1155*1994.5 mm	606*738*1310 mm	1500 W	-40°C~-86°C
LDF-86V728D	728L	1248*975*1994.5 mm	963*558*1350 mm	1600 W	-40°C~-86°C
LDF-86V838D	838L	1179*1135*1994.5 mm	894*718*1310 mm	1700 W	-40°C~-86°C

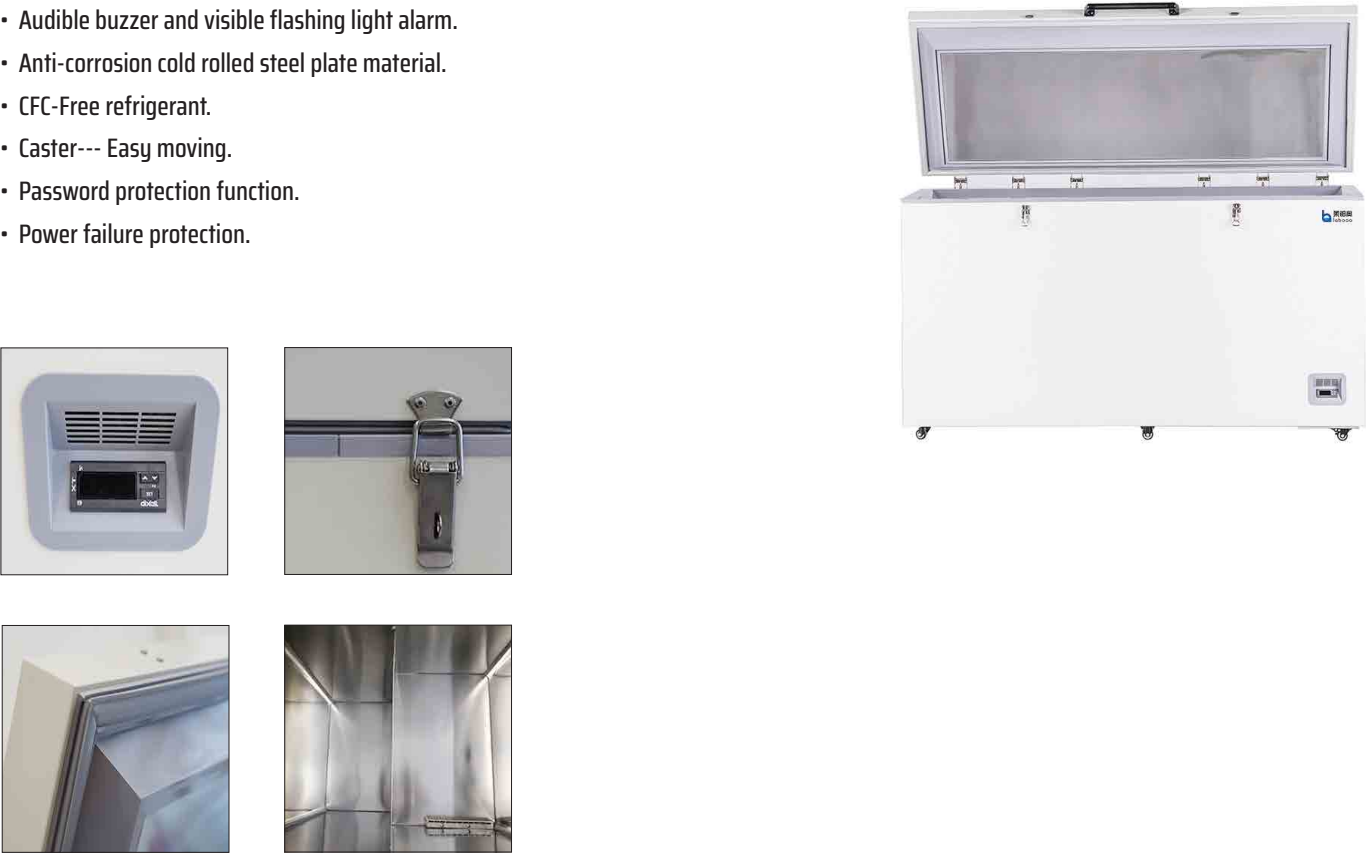


-86°C Horizontal ULT Freezer

An ultra low temperature (ULT) freezer is a refrigerator that stores contents at between -40°C to -86°C. An ultra low temperature freezer is commonly referred to as a "minus 80 freezer" or a "negative 80 freezer", referring to the most common temperature standard. This ULT freezer is used for long-term cryopreservation for biological samples of many molecular biology or life science laboratories, like DNA, RNA, proteins, cell extracts, or reagents.

Features

- Adjustable temperature range: -40°C~-86°C.
- Safety door lock design.
- Audible buzzer and visible flashing light alarm.
- Anti-corrosion cold rolled steel plate material.
- CFC-Free refrigerant.
- Caster--- Easy moving.
- Password protection function.
- Power failure protection.



Specification

Model	Capacity	External Size(W*D*H)	Internal Size(W*D*H)	Power	Temperature range
LDF-86H105	105L	680*580*935 mm	480*380*665 mm	500 W	-40°C~-86°C
LDF-86H485	485L	1695*840*962 mm	1455.5*525.2*674 mm	670 W	-40°C~-86°C

-60°C Chest Deep Freezer

The -60°C ultra-low temperature refrigerator is specially designed to store high-end ingredients such as tuna, Australian lobster, salmon, South American crayfish, Argentine red shrimp, high-grade beef, red yellowtail, bonito, grouper, red scorpion and oriental porpoise. Suitable for professional sea fishing enthusiasts, major fishery wholesalers, precious seafood, restaurants, etc.

Features

- Adjustable temperature range: -25°C~-60°C.
- Safety door lock design.
- Audible buzzer and visible flashing light alarm.
- Anti-corrosion cold rolled steel plate material.
- CFC-Free refrigerant.
- Caster--- Easy moving.
- Password protection function.
- Power failure protection.



Specification

Model	Capacity	External Size(W*D*H)	Internal Size(W*D*H)	Power	Temperature range
LDF-60H105	105L	680*580*935 mm	480*380*665 mm	380 W	-25°C~-60°C
LDF-60H485	485L	1670*810*930 mm	1455*525*665 mm	600 W	-25°C~-60°C



-25℃/-40℃ Vertical Deep Freezer

The -25℃/-40℃ medical freezer can be used for frozen discharge, storage of plasma, reagents and various items that need to be frozen and stored. It is suitable for medical treatment, disease control center, blood station, high-tech laboratory, cold food catering industry, etc.

Features

- Adjustable temperature with 0.1℃ precision.
- Built-in door handle.
- Audible buzzer and visible flashing light alarm.
- Height-adjustable shelf.
- Power failure backup system.
- Forced Air Cooling System to ensure temperature uniformity.
- CFC-free refrigerant.
- Password protection function.

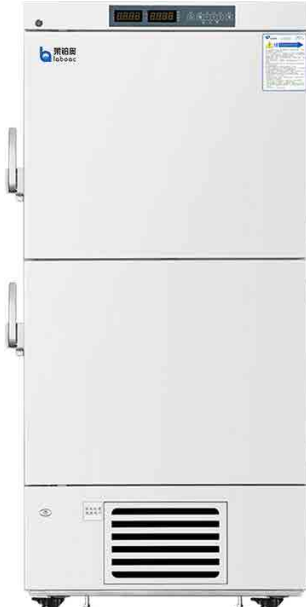


-25℃/-40℃ Vertical Deep Freezer

The -25℃/-40℃ medical freezer can be used for frozen discharge, storage of plasma, reagents and various items that need to be frozen and stored. It is suitable for medical treatment, disease control center, blood station, high-tech laboratory, cold food catering industry, etc.

Features

- Double door construction.
- 2 completely independent temperature control systems.
- Audible buzzer and visible flashing light alarm.
- Height-adjustable shelf trays.
- Padlock hole design for assembling with padlock.
- Insulated door with gasket for sample protection.
- CFC-free refrigerant.
- Multi protection functions.



Specification

Model	Capacity	External Size(W*D*H)	Internal Size(W*D*H)	Power	Temperature range
LDF-25V100	100L	673*676*1630 mm	410*410*670 mm	150 W	-10℃~-25℃
LDF-25V268E	268L	673*676*1630 mm	508*455*1137 mm	180 W	-10℃~-25℃
LDF-25V278W	278L	659*600*1694 mm	480*415*1460 mm	180 W	-10℃~-25℃
LDF-25V328E	328L	673*676*1886 mm	508*455*1393 mm	180 W	-10℃~-25℃
LDF-40V268E	268L	673*676*1630 mm	508*455*1137 mm	300 W	-20℃~-40℃
LDF-40V278W	278L	659*600*1694 mm	480*415*1460 mm	185 W	-20℃~-40℃
LDF-40V328E	328L	673*676*1886 mm	508*455*1393 mm	300 W	-20℃~-40℃

Specification

Model	Capacity	External Size(W*D*H)	Internal Size(W*D*H)	Power	Temperature range
LDF-25V300	R:198L, F:102L	650*620*1980 mm	R:565*480*759 mm F:461*465*600 mm	349 W	-10℃~-25℃
LDF-25V368RF	R:183L, F:185L	720*830*1870 mm	R:580*626*625 mm F:466*636*625 mm	300 W	R: 2℃~8℃ F: -10℃~-25℃
LDF-25V358	358L	720*830*1870 mm	(466*636*625)*2 mm	310 W	-10℃~-25℃
LDF-25V528	528L	900*818*1875 mm	(651*631.5*635)*2 mm	260 W	-10℃~-25℃
LDF-25V936	936L	1304*1000*2017 mm	1000*700*1335 mm	1000W	-10℃~-25℃
LDF-40V368RF	R:183L, F:185L	720*830*1870 mm	R:580*626*625 mm F:466*636*625 mm	430 W	R: 2℃~8℃ F: -20℃~-40℃
LDF-40V358	358L	720*830*1870 mm	(466*636*625)*2 mm	310 W	-20℃~-40℃
LDF-40V528	528L	900*818*1875 mm	(651*631.5*635)*2 mm	340 W	-20℃~-40℃
LDF-40V936	936L	1304*1000*2017 mm	1000*700*1335 mm	1000W	-25℃~-40℃



-25°C/-40°C Chest Deep Freezer

The -25°C/-40°C medical freezer can be used for frozen discharge, storage of plasma, reagents and various items that need to be frozen and stored. It is suitable for medical treatment, disease control center, blood station, high-tech laboratory, cold food catering industry, etc.

Features

- Adjustable temperature with 0.1°C precision.
- Safety door lock design.
- Audible buzzer and visible flashing light alarm.
- Anti-corrosion cold rolled steel plate material.
- CFC-Free refrigerant.
- Caster---Easy moving.
- Password protection function.
- Power failure protection.



Specification

Model	Capacity	External Size(W*D*H)	Internal Size(W*D*H)	Power	Temperature range
LDF-25H105	105L	621*588*883 mm	480*380*665 mm	174 W	-10°C~-25°C
LDF-25H305	305L	1140*742*883 mm	1000*520*665 mm	106 W	-10°C~-25°C
LDF-25H485	485L	1655*755*915 mm	1455*525*665 mm	295 W	-10°C~-25°C
LDF-40H105	105L	694*686*942 mm	480*380*665 mm	160 W	-10°C~-40°C
LDF-40H305	305L	1218*840*940 mm	1000*520*665 mm	150 W	-20°C~-40°C
LDF-40H485	485L	1667*863*949 mm	1455*525*665 mm	295 W	-20°C~-40°C

4°C Blood Bank Refrigerator

Blood Bank Refrigerator is a professional refrigeration equipment for refrigerating blood in the medical industry. It can also be used to refrigerate medicines and biological products. It is suitable for large and small blood stations, hospitals and epidemic prevention stations.

Features

- Inner glass door.
- Anti-corrosion and anti-rust stainless steel material.
- Audible buzzer and visible flashing light alarm.
- Auto defrost.
- 72h power failure backup system.
- Forced Air Cooling System to ensure temperature uniformity.
- CFC-free refrigerant.

| Temperature Control System

Adopt intelligent control fan to ensure rapid temperature recovery and stability, and air-cooled copper tube fin type to ensure no frost.

| Two alarm methods

Sound alarm, light alarm.

| Adjustable shelf

The height of the shelf can be adjusted arbitrarily to adapt to different storage needs.



Specification

Model	Capacity for Bloodbags (450ml)	External Size(W*D*H)	Internal Size(W*D*H)	Power	Temperature range
LBC-4V108	66L	540*630*1030 mm	432*462*478 mm	175 W	4±1°C
LBC-4V208	132L	540*640*1530 mm	432*462*978 mm	183 W	4±1°C
LBC-4V368	200L	785*565*1920 mm	685*429*1380 mm	325 W	4±1°C
LBC-4V658	360L	1220*648*1885 mm	1100*454*1325 mm	364 W	4±1°C
LBC-4V1008	576L	1240*860*1895 mm	1100*684*1325 mm	513 W	4±1°C



2°C-8°C Pharmacy Refrigerator

The -25°C/-40°C medical freezer can be used for frozen discharge, storage of plasma, reagents and various items that need to be frozen and stored. It is suitable for medical treatment, disease control center, blood station, high-tech laboratory, cold food catering industry, etc.

Features

- 2°C-8°C adjustable temperature with 0.1°C precision.
- 2-10 pcs adjustable shelves.
- Audible buzzer and visible flashing light alarm.
- Auto defrost.
- Power failure backup system.
- Forced Air Cooling System to ensure temperature uniformity.
- CFC-free refrigerant.



Specification

Model	Capacity	External Size(W*D*H)	Internal Size(W*D*H)	Power	Temperature range
LPC-5V60G	60L	495*450*710 mm	410*315*560 mm	72 W	2°C-8°C
LPC-5V100	100L	505*510*875 mm	385*356*737 mm	80 W	2°C-8°C
LPC-5V226	226L	625*594*1707 mm	534*406*1150 mm	140 W	2°C-8°C
LPC-5V315	315L	640*582*1880 mm	540*425*1380 mm	294 W	2°C-8°C
LPC-5V316	316L	660*555*1915 mm	540*425*1380 mm	248 W	2°C-8°C
LPC-5V415	415L	785*552*1927 mm	685*429*1380 mm	330 W	2°C-8°C
LPC-5V416	416L	785*552*1927 mm	685*429*1380 mm	280 W	2°C-8°C
LPC-5V656	656L	1240*630*1895 mm	1100*454*1325 mm	403 W	2°C-8°C
LPC-5V1006	1006L	1220*860*1885 mm	1100*684*1325 mm	400 W	2°C-8°C
LPC-5V1500	1500L	1680*595*1312 mm	1680*640*1420 mm	1040 W	2°C-8°C

Medical Mobile Cooler

Medical mobile cooler is mainly used for cold storage of epidemic prevention vaccines, reagent transportation and blood products. Particularly, it is more suitable and convenient to transport vaccines and blood products in mountainous areas, islands, remote and remote areas. Features: Large cold storage area, anti-pollution, wear resistance, pressure resistance, corrosion resistance, and heat preservation. Use in the car: It can be placed in the seat or trunk of the car and directly connected to the 12V DC power supply of the cigarette lighter in the car.

Features

- Anti-collision and drop-proof roll PE material.
- Multilayer stacking.
- Built-in fuse.
- AC and DC power interface.
- 3 optional temperatures: -25°C/4°C/22°C.
- Temperature fluctuation: ±1°C.
- Password protection function.

| Cooling method

Intelligent control is adopted to ensure rapid temperature recovery and stability; the air-cooled inflatable evaporator ensures small uniformity and fluctuation values in the box.

| Optional alarm mode

Optional monitoring module and special software to realize remote monitoring, remote SMS alarm.

| Convenient to use in different occasions

The built-in plastic dipping basket can be used by customers in different occasions in the car, indoor and outdoor; convenient for handling and lifting.



Specification

Model	Capacity for Bloodbags(450ml)	External Size(W*D*H)	Internal Size(W*D*H)	Power	Temperature range
LDF-25H30LC	30L	615*370*471.5 mm	364*253*352.5 mm	80 W	-25°C/5°C
LDF-25H80LC	80L	937*565*580.5 mm	547*378*369.5 mm	100 W	-25°C/5°C
LDF-4V700LC	700L	1070*1120*1080 mm	939*973*863 mm	160 W	4°C



## Professional Laboratory Solution Provider



### ZHENGZHOU LABOAO INSTRUMENT EQUIPMENT CO.,LTD

+86-371-61653992

sales@laboao.com service@laboao.com

+86 18539927482 +86 15565077455

No.109 Bitao Road, Hi-Tech Development Zone, Zhengzhou, Henan, China

www.laboao.com www.laboaochina.com www.laboaоеquipment.com

www.labdistillation.com www.bioreactor-fermenter www.lshaker.com

www.lfreezer.com www.lfreezedryer.com www.laboaoven.com

www.laboaobiomedical.com

🏠 🌐 @zzlaboao 🐦 @laboao 🌐 @laboao 📞 @zzlaboao 🎵 @laboao.com 📺 @laboao