Freezer rack

Scope of Application

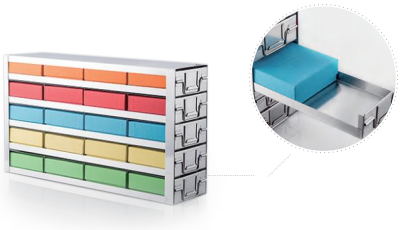
Midea's bio-medical freezer rack perfectly matches Midea's ultra-low temperature freezers of various models, and is compatible with all brands of ultra-low temperature in the industry, matching various standard-size cryogenic storage boxes in the market, maximizing the utilization of storage space and meeting the storage needs of various types of biobank.

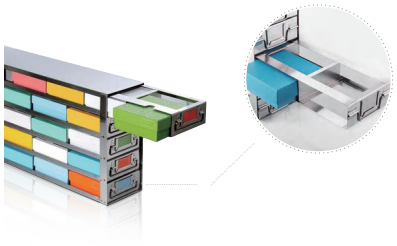
Product features

Midea's biomedical freezer rack is made of high-quality 304 stainless steel, which is resistant to low temperature, abrasion and corrosion; environmental protection and safety.
Midea Biomedical can provide three types of freezer racks: flat drawer type, side drawer type and single freezer rack.

Sliding-drawer Freezer Rack

Made of super thick corrosion resistant stainless steel;
Sliding design for easy access;
Humanized handle design: with a low temperature resistant plastic ring to prevent the handle and the outer of rack from freezing, protecting the operator effectively;
With label slots for easy identification of samples;
The drawer with flanging edges design to avoid the risk of injury, with colored sample identification labels.





Side-access Freezer Rack

Made of super thick corrosion resistant stainless steel;
The special edges design to avoid the risk of injury;
Perfectly match up with standard sized freezer boxes;
Suitable for 2-inch and 1-inch freezer boxes, suitable for common low-temperature freezers in the market;
The side access design is more conducive to the side information marking of the freezer box and quick access to the freezer box;
Provide personalized customization.

Single Freezer Rack

Made of super thick corrosion resistant stainless steel;
Suitable for 2-inch and 1-inch freezer boxes, and suitable for international standard freezer;
The single freezer rack is simple in structure and easy to use, especially suitable for sample storage in liquid nitrogen tank.



Consumables

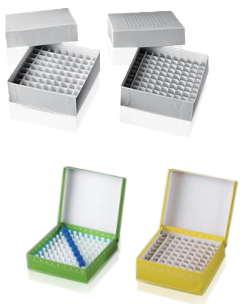
Scope of Application

Midea Biomedical provides a wide selection of freezer boxes to meet the storage needs of various conventional cryopreservation tubes for biobank.

PP Freezer Box

Made of highly transparent polypropylene (PP) material, which can be repeatedly frozen and thawed, and stored for a long time;
The product can withstand temperature range: -90℃~121℃;
Resistant to alcohols and isothermal organic solvents;
International standard size, suitable for standard sized cryopreservation tubes and freezer racks;
Suitable for storing 0.5ml, 1.0ml and 2.0ml cryotubes and microtubes;
A variety of colors available, easy to distinguish and find samples.



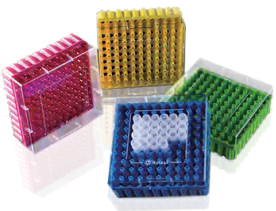


PA Freezer Box

Made of durable cardboard, can be frozen and thawed repeatedly, and is not easy to frost;
According to different outer layers of paper, it can be divided into: ordinary white, film-coated and colored paper freezer boxes;
Resistant to alcohol and other mild organic solvents;
Product can withstand temperature range: -196℃~121℃;
Can be used for liquid nitrogen storage after drilling;
Removable lid (with writing area), the surface is easy to stick labels to distinguish;
Suitable for all standard freezer racks.

PC Freezer Box

Made of high-strength polycarbonate (PC) material, which can be repeatedly frozen and thawed, and stored for a long time;
The box can be used to store samples in ultra-low temperature freezer and liquid nitrogen tanks;
The product can withstand temperature range: -196℃~121℃;
Resistant to alcohols and other mild organic solvents;
The gap and line design of the box body is conducive to the rapid cooling of samples and the rapid discharge of liquid;
International standard size, suitable for standard sized cryopreservation tubes and freezer racks
Suitable for storing 0.5ml, 1.0ml and 2.0ml cryotubes and microtubes;
Highly transparent box cover design, and clear digital mark on the box body, easy to observe and find samples;
A variety of colors available, easy to distinguish samples;
The unique design of box corner ensures the accuracy of sample positioning.



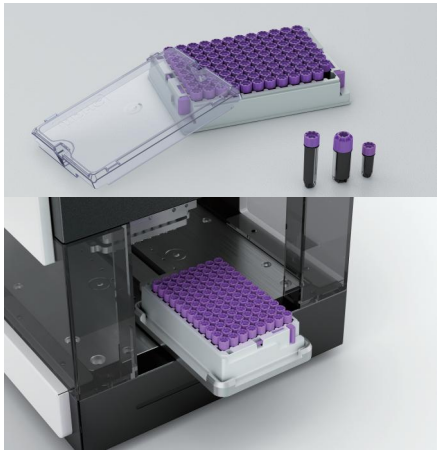


Cryopreservation Tube

Made of high-strength, high-toughness medical grade polypropylene, which can be repeatedly frozen and thawed;
Maximum liquid storage capacity is 80% of the maximum scale;
Withstood temperature range: -196℃ to 121℃, sustainable for high temperature and high pressure;
There is a sealing ring design in the cover to avoid sample leakage and ensure the safety of the sample in the tube;
A variety of color caps are available, easy to identify and distinguish samples.

Triple-Coded Cryogenic Tube

Medical-Grade Design: constructed from clinical-grade cryogenic polypropylene (PP), these vials feature a self-standing round base for stable benchtop placement and offer customizable color-coded caps for intuitive project identification,these cryotubes are compatible with SBS-standard cryoboxes;
Triple-Coded Design: the cryovial contains a QR code at the bottom, a linear barcode on the side, and a readable numeric code, ensuring high readability both before and after immersion in liquid nitrogen;
Ultra-Reliable Performance: validated for leakproof performance at -95kPa vacuum pressure, these vials maintain structural integrity at -196°C in vapor-phase LN_2 and utilize a patented coating to minimize sample retention;
Automation Ready: engineered with two-shot molded caps for robotic handling compatibility, the vials deliver universal fitment with standard rotors and SBS freeze frames for seamless lab integration.



Technical Parameters

Rack Model No.	Specification	Dimension(mm)	Racks/Boxes/2ml cryo tubes(per freezer)	Suitable Model
MDCJ-532-A304	5*3 304SS	140*413*293	6/90/9000	MD-86L108
MDCJ-542-A304	5*4 304SS	140*549*293	16/320/32000	MD-86L458
IMDCJ-552-A304	5*5 304SS	140*685*293	16/400/40000	MD-86L568
MDCJ-552-A304	5*5 304SS	140*685*293	20/500/50000	MD-86L718
MDCJ-552-A304	5*5 304SS	140*685*293	24/600/60000	MD-86L838

Box Model No.	Dimension(mm)	Specification
MH-281-A	133*133*50	Waterproof paper freezer box with 81 holes
MH-200-A	133*133*50	Waterproof paper freezer box with 100 holes
MH-281-PP	133*133*53	PP plastic freezer box with 81 holes
MH-200-PP	133*133*53	PP plastic freezer box with 100 holes
MH-281-PC	133*133*53	PC plastic freezer box with 81 holes
MH-200-PC	133*133*53	PC plastic freezer box with 100 holes

Tube Model No.	Capacity(ml)	Specification
Triple-Coded Cryogenic Tube	0.5	96 pcs/case, 80 case/cartons
Triple-Coded Cryogenic Tube	0.75	96 pcs/case, 70 case/carton
Triple-Coded Cryogenic Tube	1.0	96 pcs/case, 50 case/carton
Triple-Coded Cryogenic Tube	2.0	48 pcs/case, 30 case/carton
Triple-Coded Cryogenic Tube	2.0	100 pcs/case, 30 case/carton
Bottom-Code Cryogenic Storage Tube	2.0	100 pcs/case, 30 case/carton
Codeless Cryogenic Storage Tube	2.0	100 pcs/case, 30 case/carton