

# *CryoExpress* **10**

## Ultra-low -80°C Portable Freezer



-80°C to 30 °C

Precision temperature control  $\pm 2^{\circ}\text{C}$

Internal volume 10L

Built-in lithium battery

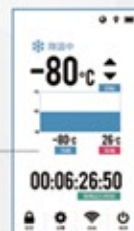
NFC electronic lock

VIP insulation panel, better insulation effect

The ultra-low temperature Portable freezer is specially designed for Vaccine transportation. It is small in size, light in weight, and the lowest temperature can reach -80°C. It solves the industry's pain points in liquid nitrogen transportation and makes up for the shortage of liquid nitrogen transportation. The machine has a built-in large-capacity lithium battery options available, which can be used to transport the vaccines without any external power source.

10L internal volume, temperature control accuracy  $\pm 2^{\circ}\text{C}$ , ultra-low temperature controlled mobile safe with adjustable temperature range from -80°C to 30°C, used to transport biological samples such as vaccines, bacterial viruses, blood, human organs, Immune medical products and other goods that have extremely high temperature requirements.

## Internal Dimensions



### Safety guarantee

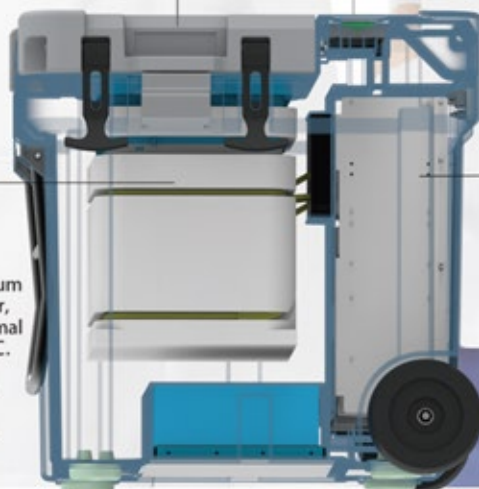
$\pm 2^{\circ}\text{C}$  temperature control accuracy of the whole box to avoid temperature fluctuation; NFC digital lock protects your samples in all aspects (this function is optional)

### Intelligent temperature control

Sampling with laboratory grade PT100 thermo-sensor, ensuring temperature accuracy

### Cabinet design

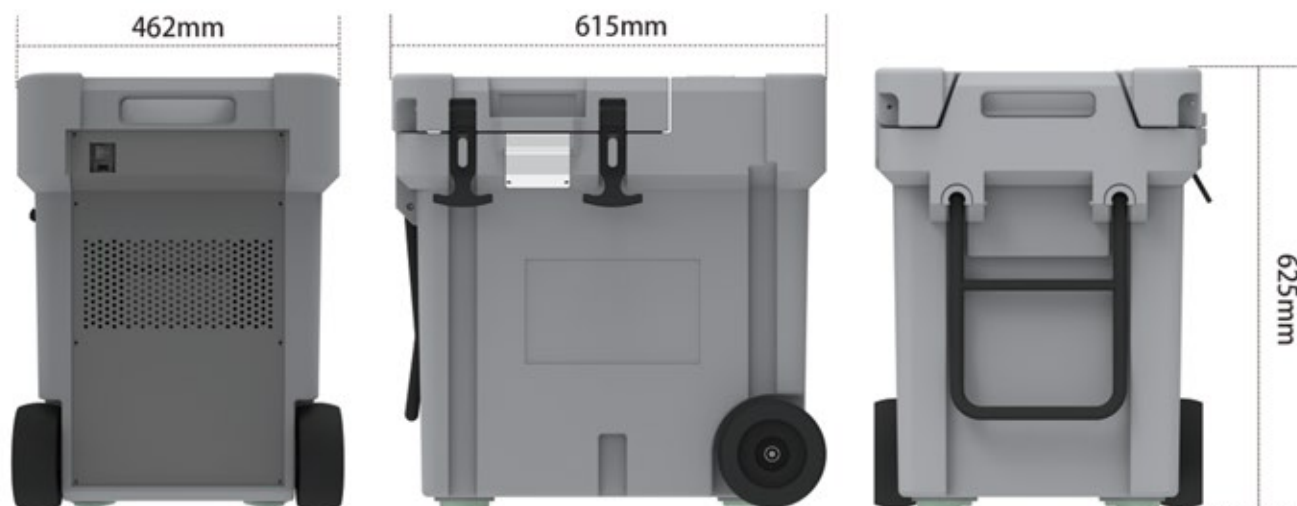
Integrated high pressure foam, 20mmVIP (vacuum insulation panel), double layer submersible door, double layer sealing ring, ensure ultra-low thermal leakage, the lowest temperature can reach -80°C. Inside available volume is 10L, suitable for the transportation of Vaccines. All-metal integrated inside box, proprietary coating technology to ensure liner cleanness, test tube accessories, so that samples/vaccine temperature no longer fluctuates and transported safely.



### Cooling System

Advanced Stirling technology, using stirling refrigerator as the core cooling source  
Ultra-low temperature, fast cooling and no fear of bumps and shakes, maintenance free life up to 50,000 hours

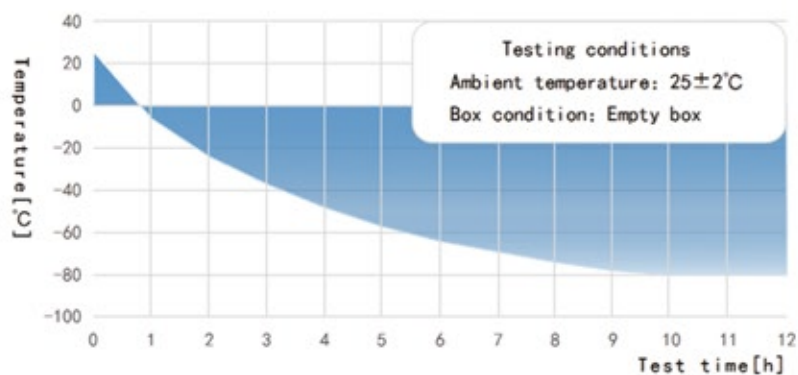
## External Dimensions



## Technical Specification



External dimensions	L615xW462xH625mm
Internal dimensions	L233xW292xH155mm
Capacity	10L
Weight	23 Kg (Without Battery)
Maximum Power	100W
Operating Voltage	12V~24V DC ; 100V~240V 50/60HZ AC
Rated Power	80W
Temperature Range	-80°C to 30°C
Built-in Battery	1/2/4/10 Hours (optional)





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