brightside
SCIENTIFIC PTY LTD

CryoExpress one

Ultra-low -86°C Portable Freezer

- -80 ℃ to 4 ℃
- Precision temperature control ± 0.5 ℃
- Internal volume 1L
- Built-in lithium battery
- NFC electronic lock
- VIP insulation panel, better insulation effect

The ultra-low temperature mobile safe is specially designed for medical scenarios. It is small in size, light in weight, and the lowest temperature can reach -86'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, which can work for more than 1 hour without external power.

1L internal volume, temperature control accuracy± 0.5 'C, ultra-low temperature controlled mobile safe with adjustable temperature range from -86 'C to 4 '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

± 0.5 '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 PTI 00 thermo-sensor,ensuring temperature accuracy

Cooling System

Advanced Stirling technology, using Stirling refrigerator as the core cooling source of ultra-low temperature, fast cooling and no fear of bumps and shakes

Cabinet design

Integrated high pressure foam, VIP (vacuum Insulation panel), double layer submersible door, double layer sealing ring, ensure ultra-low thermal leakage, the lowest temperature can reach -86'(. 1L internal volume

Technical Specification

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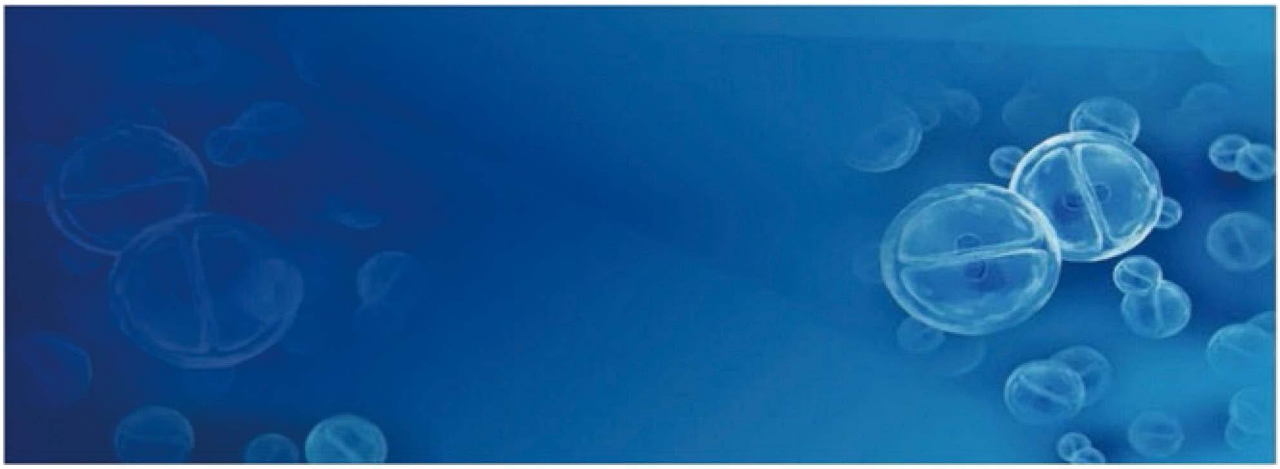
External dimensions	L270xW270xH450mm
Internal dimensions	L150xW134xHS4.Smm
Capacity	1L
Weight	13.5kg
Maximum Power	100W
Operating Voltage	12-24V
Rated Power	*BOW*
Temperature Range	-86'(to 4'C
Built-in Battery	;;, 1Hour
Optional External Battery	Additional 4 hour working time 400*46*140mm/3.Skgs