

METHER

-86°C Smart Series

Ultra-low Temperature freezer

Smart storage | Ultimate safety



3rd Gen

DUAL COOLING TECHNOLOGY

Designed for Bio-banks



Smart ULT freezer

Intelligent management of biological samples

Your Private Bio-Bank



MDF-86V600L



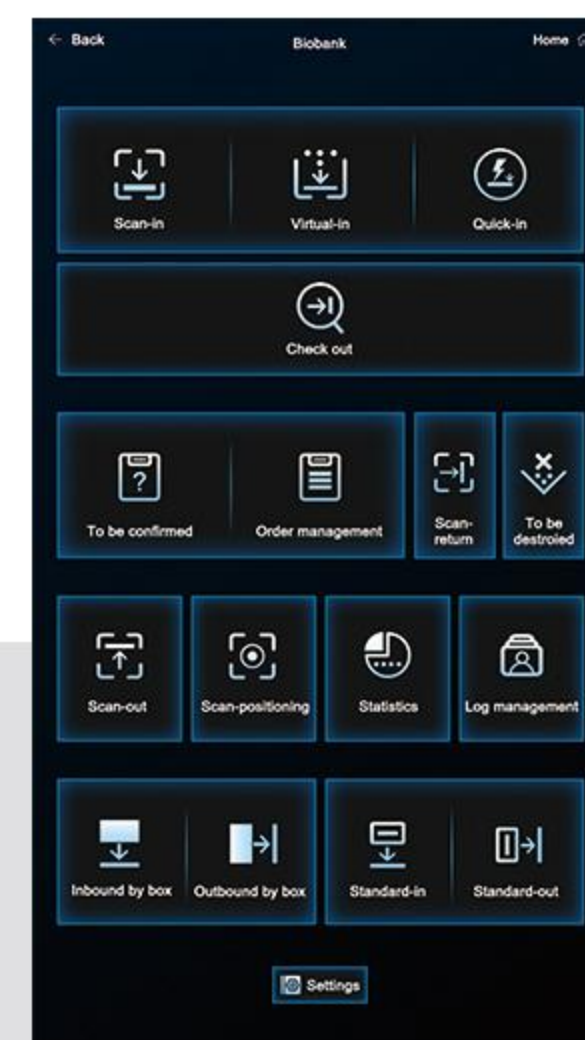
13.3" HD LCD Screen

- Better human-computer interaction
- More user-friendly UI for convenient operation



Smart Management System

- Scan-in and Scan-out management
- Easier sample access
- Samples are classified



Dual Cooling Technology

- 2 independent cooling system provides Max safety for samples
- Better cooling performance and more energy-saving

SUPER COOLING



Dual cooling systems work together to cool down from 25°C to -86°C in 3 hours, with the lowest temperature reaching -90°C. Equipped with V.I.P panels, it provides superior thermal insulation for enhanced performance.

INNOVATIVE APPEARANCE



13.3-inch large screen design for better human-machine interaction experience, with multi-functionality and intelligent features.

SAFE STORAGE



Equipped with 2 independently cooling systems, ensuring system redundancy and sample storage safety. Real-time monitoring and data backup are available through the cloud platform.

USER MANAGEMENT



Permission management with customizable authorization. Multiple login modes such as password, NFC card, fingerprint, and facial recognition. Records all user login, logout, and operation information.

IoT & Cloud



Standard WiFi and Bluetooth connectivity, optional 4G and wired connections. Cloud storage ensures long-term, secure, and extensive storage of device temperature, status, and alarm data, accessible from all three platforms, and can be directly downloaded via USB port on a computer or device.

Model	Capacity	Temperature	Exterior Size W*D*H(mm)	Inner Size W*D*H(mm)	Exterior Material	Interior Material
MDF-86V600L	600L	-40°C~-86°C	891*1155*1994	608*740*1310	Coated steel	Stainless steel
N.W(kg)	Power(W)	Ambient	Power supply	Insulation	Boxes	Samples(2ml)
303	1500W	10~32°C	220V/50Hz	PURF+VIP	400	40,000