



CryoBio 13



Hot Gas Bypass Function



NFC Clocking-in Function



10-inch LCD Touch Screen

# Biobank Series Liquid Nitrogen Container

## Scope of Application

It is suitable for scientific research institutes, electronic, chemical and pharmaceutical enterprises, laboratories, blood stations, hospitals, disease control centers and other related institutions. It is ideal storage equipment for storing cord blood, tissue cells, biomaterials and so on to keep the activity of cell samples.

## Innovative Design

- Economic Armrest Structure.
- Innovative Frost-free Design.
- Real-time Level, Temperature Monitoring.

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**Product Advantages**



**Ten-inch LCD Touch Screen**

10-inch LCD touch screen, easy to operate. The storage life of charts and digital data records is up to 5 years.



**Innovative Frost-free Design**

Unique exhaust structure to avoid frost on the neck. Brand-new drainage structure to avoid indoor ground water accumulation.



**Safe and Secure**

Cryosmart Level Monitoring System ZJY-800N support fingerprint, NFC clocking-in function, providing multiple safeguards for sample safety.



**Auto-fill Function**

Manual and automatic liquid nitrogen filling modes available. With hot gas bypass function, the unit effectively reduces the temperature fluctuation in the tank when liquid nitrogen is filled, improving sample security.

**Ergonomic Design**

**Designed for Both Liquid and Vapor Phase Storages**

- Vapour phase storage can reach -190°C.

**Real-time Run Monitoring for Sample Protection**

- Real-time level, temperature monitoring.
- Remote alarm can also be made through APP, SMS, email, etc.

**User-friendly Design**

- Economic armrest structure.
- Universal casters, easy to move, and equipped with brakes.
- The newly designed one-button pedal and hydraulic opening cover makes it easier to pick and place samples.

**Specifications**

| Model      | 2ml Vials (Internal Thread) | Freeze Rack (100 Wells) | Freeze Rack (25 Wells) | Layers of Each Rack | 5ml vials (Internal Thread) | Freeze Rack (81 Wells) | Freeze Rack (25 Wells) | Layers of Each Rack |
|------------|-----------------------------|-------------------------|------------------------|---------------------|-----------------------------|------------------------|------------------------|---------------------|
| CryoBio 13 | 13000                       | 12                      | 4                      | 10                  | 5360                        | 12                     | 4                      | 5                   |

| Volume of LN <sub>2</sub> (L) | Volume of LN <sub>2</sub> under the tray (L) | Operating Height (mm) | Inside Neck Diameter (mm) | Height (mm) | Outside Diameter (mm) | Door Width Requirements (mm) | Empty Weight (kg) | Full Weight (kg) |
|-------------------------------|----------------------------------------------|-----------------------|---------------------------|-------------|-----------------------|------------------------------|-------------------|------------------|
| 350                           | 55                                           | 990                   | 326                       | 1505        | 910                   | 930                          | 269               | 552              |