



2 CHAMBERS
INDEPENDENT OPERATIONS

2 COMPRESSORS
RELIABLE PERFORMANCE

2 CONTROLLERS
INDIVIDUAL PRECISIONS

12 CONTAINERS
FLEXIBLE ORGANIZATION

Temperature Range -20°C to -40°C (Each Chamber)



BLOOD BANKS | HOSPITALS | PHARMACIES | DIAGNOSTIC & RESEARCH LABS

CRYOFORT 525D

Flexible | Safe | Independent – Redefining Plasma & Biological Storage

Cryofort 525D features dual chambers with independent temperature control from -20°C to -40°C . Each chamber houses 6 removable containers, allowing staff to access individual containers without disturbing others, ensuring safe, organized, and flexible plasma storage.



BUILT IN REMOVABLE CONTAINERS

CAPACITY: Each Container accommodates up to **28 plasma bags**. With **12 containers** distributed across two chambers, the **Cryofort 525D** provides a **total storage capacity of 336 plasma bags**.

FLEXIBILITY: Containers can be **removed or rearranged** as needed, allowing efficient use of chamber space based on varying storage requirements.

ORGANIZED & SAFE STORAGE: Each container can be **individually labelled** for precise identification and inventory control. The dual-chamber design ensures **sample segregation** and enhances **storage safety** during operation with independent lockable doors with keys.

HUMANIZED DESIGN: Easy open Handles, three-dimensional door seals, multi-layer PUF insulation & anti-condensation design preserves temperature uniformity and safeguard sample integrity.

ROBUST CONSTRUCTION: Stainless Steel inner chamber ensures hygiene & durability; coated steel exterior provides long-lasting protection & fixed + universal castor wheels for effortless mobility.

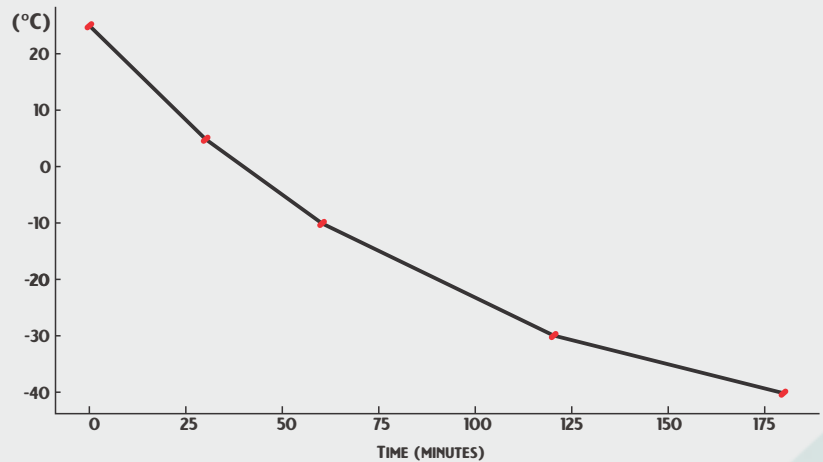
EASE OF MAINTENANCE: No tools removable filters & accessible cable ports reduce downtime

CRYOFORT 525D

New Level of Flexibility in Plasma & Biologicals Storage



■ GRAPH OF TEMPERATURE PULL DOWN TIME (EMPTY UNIT: RAPID COOLING 25°C TO -40°C IN 180MINS)



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PRECISE TEMPERATURE CONTROL: Microprocessor Temperature Control System, temperature accuracy 0.1 °C.
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INDEPENDENT COOLING SYSTEM: The Cryofort 525D is equipped with **two separate compressors**, providing independent temperature control for each chamber.
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DUAL TEMPERATURE CONTROL: Allows users to set and monitor the temperature of each chamber individually, offering precise thermal management across a range of **-20°C to -40°C**.
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MULTI-ALARM SYSTEM: Independent Audio/Visual Alerts for Each Chamber
 - High/ Low Temperature
 - Power Failure
 - Sensor Malfunction.
 - Door Ajar
 - Ambient Temperature Deviation
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BACK UP SYSTEM: 8 hours Battery (inbuilt, self-rechargeable) Back up for display, alarm system & chart recorder enhances monitoring & reliability during power failures & maintenance.
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DATA & COMPLIANCE: USB interface, Remote Alarm port & 7 days circular chart recorder (optional) allows temperature tracking & easy regulatory compliance.



SPECIALIZED CHART RECORDER WITH DUAL PEN FOR RECORDING TEMPERATURE OF BOTH CHAMBERS INDEPENDENTLY ON SINGLE GRAPH PAPER.

***UNIT AVAILABLE WITHOUT CHART RECORDER AT REDUCED COST.**

CRYOFORT 525D

Safe. Precise. Effortless

CRYOFORT 525D

Technical Excellence Meets Practical Flexibility

TECHNICAL SPECIFICATIONS

MODEL	CRYOFORT 525D
Refrigeration System	Two Independent Cooling System
Temperature Range	-20°C to -40°C, Independently settable for each chamber
Control System & Display	LED, Microprocessor, independent display & control for each chamber
Temperature Accuracy	±0.1°C
Inner Chambers	Dual, Stainless Steel
Outer Body	Coated Steel
Outer Door	Insulated Dual Doors with individual locks
Insulation	Multi Layer, CFC Free PUF
Dimension (WxDxH)	866 X 811 X 1920 mm
Inner Dimension (WDXH)	680 X 620 X 650 mm (Chamber-1) 680 X 620 X 650 mm (Chamber-2)
Storage System	12 Inbuilt & Removable Flexible Containers (6+6) Each Chamber
Total Volume	525 Liters (Both Chambers)
Mobility	Fixed + Universal Castors
Cooling Type & Defrost	Direct Cooling, Manual
Refrigerant	R 290- CFC, HCFC Free, Natural Refrigerant with Zero Ozone Depletion potential.
Alarms	Multi-Alarm System (Audio- Visual) independent for each chamber. Remote Alarms facility.
Battery Back Up	8 hrs for Display, Alarm system & Chart Recorder (Inbuilt, self-rechargeable 12V lead acid)
Data Acquisition & Transfer	USB
Circular Recorder (inbuilt, optional)	7 days circular chart recorder with dual pen to record temperature of both chamber on same graph independently
Noise Level	< 55 dba
Weight Nett/Gross	142/164 Kgs

Cryofort 525D – Flexible, Safe, Independent-Redefining the way Plasma and Biologicals are stored
Supply : 220-240 Volts, 50 Hz, Single Phase, Recommended Voltage Stabilizer 3Kva

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