

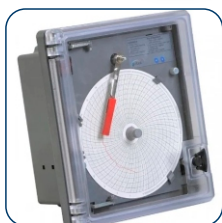
Ultra Low Freezers -86°C

REMI's new range of ultra-low deep freezer is specially designed for faster temperature pull down & optimized cryopreservation. Highly sensitive microprocessor control ensures precise temperature management at -86°C



Salient Features:

- Efficient insulation with high core density reduces temperature loss
- Optimized compressor run ensures energy efficiency
- Hot line across the door assembly to prevent frost formation
- Efficient dual cascade refrigeration system ensures fast temperature pull down
- Triplicate step silicon rubber gasket for complete insulation
- Easy to remove washable filter protects the condenser from dust to increase refrigeration efficiency.
- Internal data log memory of 1000 records.
- Audio / Visual alarms for
 - Temperature high / low
 - Power failure
 - Door open
 - Compressor on (only visual)
 - Clean Filter
 - Condenser Fault
 - Power on (only visual)
- Settable points of
 - Temperature high / low (-50°C to - 86°C)
 - Adjustable temperature range
 - High / low temperature alarm point
- Vacuum release port for easy door op
- Independent internal foamed doors
- Easy movability with lockable castor wheels
- Seven day circular chart recorder for temperature recording
- Port of CO₂ backup



7 Days Circular Chart Recorder*

*Available without 7 day chart recorder also



Ultra Low Freezers -86°C



Microprocessor Based
Precise Temperature Control



CFC Free Refrigerant
& PUF Insulation



Efficient Refrigeration
Quick Temperature Pull Down



Hotline at Door Interface
Frost Free Easy Door Opening



Intelligent Cooling Coil Distribution
Temperature Uniformity $\pm 2^{\circ}\text{C}$



Ergonomically Designed
User Friendly Controls & Alarms



Smart Handle: Door Close / Open
Indication with Push & Key Lock



Menu Driven Settings
Data Encryption & Protection



Energy Efficient
Long Temperature Holdover

Technical Specifications

Parameters	PDV 100 Ultra	PDV 200 Ultra	PDV 400 Ultra	PDV 500 Ultra	PDV 700 Ultra
Internal Volume (Liters)	100	200	400	500	700
No of plasma bags	150	300	550	650	800
No. of trays	2	3	6	6	7
No. of Internal door	2	3	4	4	4
Internal dimensions W x D x H (mm)	410 X 410 X 595	520 X 520 X 740	700 X 575 X 1000	700 X 700 X 1025	840 X 730 X 1145
External dimensions W x D x H (mm)	710 x 877 x 1410	820 x 987 x 1560	1010 x 880 x 1830	1010 x 987 x 1890	1130 x 998 x 1940
Min. Temperature (in AC Room)	-86°C				
Insulation (CFC free polyurethane foam)	150 mm				
Temperature control	Microprocessor with PT-100 sensor				
Display	7" TFT (with Programmable Logic Controller)				
Door open alarm	Audio visual alarm in case door open for over one minute				
Chart recorder	7 days circular chart recorder				
Internal body material	S.S. 304 (AISI Grade, non corrosive, non magnetic)				
External body material	Powder coated CRCA steel				
Noise level	Less Than 65 db(A)				
Battery backup for alarm system, temperature display & chart recorder	Standard: 8Hrs inbuilt rechargeable batteries, Extended(Optional): 24 Hrs with UPS and rechargeable batteries				
Recommended voltage stablizer (Servo)	VS 05			VS 10	
Electrical	220-240 volts, 50 Hz, Single Phase				