



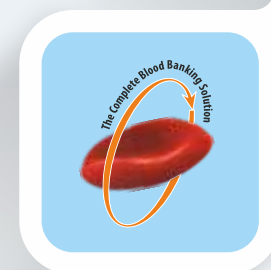
Ultra Low Freezers -86°C

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
- Independent internal foamed doors
- Seven day circular chart recorder for temperature recording
- Audio visual alarms for
 - Temperature high / low
 - Power failure (only visual)
 - Door open
 - Compressor on (only visual)
 - Power on (only visual)
- Settable points of
 - Temperature high / low
 - Adjustable temperature range
 - High / low temperature alarm point
- Clever Chip : Provides crucial backup to maintain temperature in event of sensor failure
- Port of CO₂ backup (Optional)
- Compatibility with **REMI XS** for wireless data logging



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Interface



User List



Cycle Monitor



Data Log

Technical Specifications

Parameters	PDV 400	PDV 500	PDV 700
Internal Volume (Liters)	400	500	700
No of plasma bags	550	650	800
No. of trays	4	4	4
No. of Internal door	3	3	3
Internal dimensions W x D x H (mm)	590 X 510 X 1330	590 X 658 X 1330	800 X 658 X 1330
External dimensions W x D x H (mm)	909 X 797 X 1990	900 X 929 X 1990	1091 X 929 X 1990
Minimum temperature (in AC room)	-86°C		
Insulation (CFC free polyurethane foam)	126mm		
Temperature control	Microprocessor with PT-100 sensor		
Display	7" Touch Screen		
Door open alarm	Audio visual alarm in case door open for over one minute		
Chart recorder	In-built 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	Rechargeable, Back Up 8 hrs (for alarm system & temperature recorder)		
Recommended voltage stabilizer	VS 05		VS 06
Electrical	220-240 volts, 50 Hz, Single Phase		