2. SPECIFICATIONS OF PLATELET AGITATOR AND INCUBATOR

Platelet Agitator:

1. Power supply :	230+/-10%VAC. 50Hz
2. Power Consumption:	55W(Max)
3. Pause :	10+/-1 sec
4. Fuse rating:	250V, 500mA, 5x20mm cartridge type
5. Type of agitation:	Horizontal
6. Rate of motion:	65+/-7 cycles/minute
7. Agitating mechanism:	230V AC induction controlled
8. Alarm:	Audible intermittent beeps for power failure
9. LED indications:	Indication for blown fuse
10. Interfaces:	Agitator motion interface
11. Amplitude:	36+/-3mm
12. Classification:	Protection against electrical shock to conform with Class I
13. Operation :	Continuous
14. Capacity:	96 - 100bags
15. External Dimension: (WxDxH)mm	665x390x450

Incubator:

1. Power supply:	230+/-10%VAC, 50Hz, single phase AC
2. Power consumption:	500W(max)
3. Type:	Table Top
4. Chamber Temperature range:	22+/-2°C
5. Stabilizer:	IKVA built in stabilizer
6. Classification:	Protection against electrical shock: Class I
7. Operation:	Continuous
8. Compressor:	Hermetically sealed
9. Cabinet material:	Outer Cabinet – 20swg GI sheet-powder coated Inner cabinet – 24swg Stainless steel Sheet
10. Air circulation inside the chamber:	Continuously operated forced air circulation using the evaporator fan
11. Refrigerant:	RI34a
12. Condensate Evaporator:	Built-in
13. Internal Lamp:	CF Lamp 15w
14. Temperature sensing method:	Encapsulated digital sensor dipped in 0.25% glycerin solution
15. Accuracy of temperature sensor:	+/-0.5°C
16. Display:	4x7 segment LED
17. Display resolution:	0.5°C
18. Accuracy of the chart:	+/-1°C
19. Duration of the chart:	7 days
20. Resolution of the recorder:	1°C
21. Method of the recording:	Ink pen on paper/pressure pen on pressure sensitive paper
22. Battery backup time:	2 Hrs
23. Fuse TRCU:	250V,500mA,5x20mm
24. Capacity:	200 Ltrs
25. External Dimension(WxDxH)mm:	850x665x875
26. Internal Dimension(WxDxH)mm:	790x685x875

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1.Specifications of Cryofuge(Refrigerated Centrifuge)

1. Blood Bank Refrigerated Floor Centrifuge for separation of blood components like packed cells, platelet rich plasma, platelet concentrate, Plasma, Cryoprecipitate & Buffy Coat
2. Wind Shield Swinging bucket blood bank rotor : Oval metal buckets with middle partition to hold 2 blood bags,Total Capacity- 8 X 2000ml, for 16 Quintuple blood bag systems of 450 ml with filters, with SGAM bag and empty satellite bags.
3. Maximum Speed 4700 RPM, RCF 7187xg
4. The Centrifuge must have an Auto-Door function to open and close the centrifuge door automatically using simple push-button operation and instant rotor opening and closing with lid storage
5. Touch-screen operating controls that can be used with a gloved hand, and which displays both set and actual run conditions simultaneously. User access control and security with optional password protection.
6. The centrifuge must be able to store 120 programs.
7. Power Requirement: 230V, Single Phase, 50Hz, 32 Amps
8. The Accumulated Centrifugal Effect function automatically adjusts run time for run-to run reproducibility
9. Stainless steel chamber: Easy to clean, corrosion resistant with provision of both drain and condensed water collection container
10. The unit must have application enable to remote monitoring of run status or identification of available centrifuges from the mobile app
11. The centrifuge must have a drive technology automatically neutralizes up to 125g loading imbalance.
12. Temperature Control Range: -20°C to +40°C , adjustable to 1 °C.
13. The centrifuge must have 11 Acceleration rates and 12 Decceleration rates
14. Removable plastic inserts set of 2, 4 sets, to spin quadruple blood bag system 450 ml with soft filters and with provision to hold balancing weights at the sides of the insert so it will not come in contact with blood bags, supplied with one set of balancing weights .
15. Removable plastic inserts with built in hook adapter to spin quintuple blood bag system of 450ml with filters and to spin buffy coat or small volume of blood, set of 2, 4 sets.
16. Removable plastic inserts to spin double blood bags with provision to hold balancing weights at the sides of the insert so it will not come in contact with blood bags, supplied with one set of balancing weights , set of 2, 4 sets.
17. Auto-ID instant rotor identification
18. On-board run logging of user, run conditions and error messages.
19. Integrated rotor calculator for simplifying protocol modifications and transfers.
20. Help screens and in-use training with on-board tutorial videos and a quick-start manual.
21. Cycle-Log™ rotor bucket cycle log monitors bucket life for added safety.
22. Electronic signatures for runs with user log-in and password protection.
23. Refrigeration off when door opens; Eco-Spin windshielded rotors.
24. Modes: At start, at speed, time start
25. Step Runs: 30 profile/speed/time triplets, up to 3 steps each.
26. Maintenance Tracking Log.
27. Balancing plates to compensate big weight difference, one set of 2 plates each of 35g and 65 g
28. Run Time- 99 hours 59 min 59 sec (1 second increment).
29. To be supplied with servo volatge stabilizer capacity 10KVA of reputed brand.
30. The centrifuge must have UL, FDA AND CE-MDD class II a certificates. The CE class II a certificate should be from a notified body with their number
31. Should meet the standards of IEC / EN 61010 Safety requirements for electrical equipment for measurement, control and laboratory use. A certificate from European third party is a must.
32. Should meet the standards of IEC / EN 61326 for EMC requirements of electrical equipment for measurement, control and laboratory use. A certificate from European third party is a must.
33. Should meet the standards of IEC/EN 60529-Degrees of protection provided by enclosures with protection level of IP 20 or better level. A certificate from European third party is a must.

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