

## **SPCIFICATIONS FOR REFRIGERATED TABLE TOP CENTRIFUGE**

1. Temperature range should be at least -4 to + 40 deg C
2. Centrifuge should have a minimum capacity of 1 liter
3. Should have short spin key
4. Should have automatic rotor recognition and imbalance detection for maximum operational safety
5. Should have fast cool option & standby cooling
6. 10 acceleration & 10 breaking ramps
7. Should have capacity for minimum 35 user-defined programs
8. Should have ability to spin 15 ml and 50 ml falcon tubes and U-shaped bottom tubes at 11000 rpm
9. Adaptor should be provided for a range of volumes from 1.5ml to 50ml in the fixed angle rotor. (Such as 2ml, 7ml, 15ml, 20ml, 30ml, 50ml)
10. Swing-bucket rotors and adapters should accommodate tubes and bottles from 0.2 ml to 250 ml.
11. Should have ability to spin Plate rotor for centrifugation of all types of MTP, PCR, cell culture, or Deepwell Plates
12. Should have a timer from 1 min to 99 min, with continuous run function, short-spin
13. Noise level should not be more than 60 dB
14. Should have a built in condensation drain to avoid the corrosion of the Chamber.
15. Should have complete maintenance contract for 2 years with annual maintenance contract for 5 years
16. Should be provided with 30x1.5ml tubes fixed angle metallic and autoclavable rotor with minimum 20500g/14000rpm or more.
17. Should be provided with 6x15/50ml tubes fixed angel metallic and autoclavable rotor with minimum 14400g/11000rpm or more
18. Should be provided with all-in-one swing-bucket rotor for 4 x 250 ml rectangular buckets and 4 MTP buckets
19. Should be provided with compatible rolling cabinet with closed centrifuge fits under standard 90 cm lab benches
20. Suitable stabilizer to be provided along with the centrifuge.