

Department of Bacteriology

Technical Specifications for Refrigerated Centrifuge

- 4 Nos

S.No	Technical specification	Complied (yes or No)	If compliance given, mention the page no. of your technical document where the details are provided
1	The Refrigerated centrifuge should be capable to offer swinging bucket, fixed angle and microplate rotors to meet future sample processing needs of the lab		
2	The Refrigerated Centrifuge should conform to the latest clinical and safety standards, such as UL, CE and IVD.		
3	The Refrigerated centrifuge should be provided with the following rotors		
4	30 x 1.5 / 2ml Fixed Angle Rotor with running speed of above 15,000 RPM or 25,000 x g RCF.		
5	4 x 1000 ml Swing Bucket Rotor and lid with running speed of above 4,000 RPM or 4,000 x g RCF. It should also be provided with 40 Nos of 50 ml Adaptors for the use of Conical Tubes.		
6	Rotor shall be installed and removed with no tools in less than 5 seconds.		
7	The Rotor must be certified for bio-containment by a 3 rd party lab of worldwide recognition preferable by a recognized Health Protection Agency		
8	The centrifuge must have an Imbalance Detection System		
9	The Centrifuge should have a Temperature Range of -10°C to 40°C		
10	The Centrifuge should have a Fast acceleration and deceleration times for quicker spins		

11	The Centrifuge should have a Pre-Cooling Function		
12	Centrifugation Chamber should be made of Corrosion-resistant, high-thermal conductivity, 304 or higher grade stainless steel		
13	The Max Timer Range should be 99h 59min, continuous		
14	Appropriate double booster Servo stabilizer to be provided		
15	Appropriate vibration free table to be provided for centrifuge		
16	Warranty: standard warranty of one year, CAMC for 2 nd and 3 rd year and AMC for the 4 th year.		