

Technical Specifications of Microprocessor based Ultracentrifuge with accessories

- Maximum Speed: 150,000 rpm or more.
- Speed Control Accuracy: ± 50 rpm
- Maximum RCF: **1,019,000 g or more**
- Maximum Capacity: 180 ml or more (in fixed-angle), **20 to 28 ml or more** (in swing-out)
- Set Temperature: 0 to 40° C in 1° increments
- Cooling System: Solid-state thermoelectric cooling or better
- Noise level: **$\leq 45-47$ dBA or less**
- Acceleration/ Deceleration Profile: 9/9, brake off
- Programmability: 20 each with up to 9 steps
- Power: 220/230 VAC, 50 Hz, 6 A.

- **The ultracentrifuge should high accelerate and de-acceleration rate**

- System should have High contrast color LCD touch panel control interface

- System should have wide volume range up to **4x5ml or more Swinging Bucket rotor** and up to 6 x 30ml or more Fixed Angle Rotor or better range

- System should have Imbalance-tolerant drive allowing up to +/- 5% opposing load imbalance or better.

- System should have USB port for output of GMP/GLP compatible run data

- System should have a user interface offering a controlled access feature restricting access to authorized users with an ID code

- System should have A user interface offering speed and g-force operation, actual run timer, Real Time Clock function, step mode operation, pulse mode, 100 case operating history, rotor catalog, and rotor life management, delayed start/ stop, dual display of 'Run' & 'Set' parameters etc.

- Machine should comply with **cCSAus, or CE or IEC61010-2-020 or EN61326-1 2006** standards.

- Machine Should be supplied with 10 KVA Servo stabilizer

Type of rotors to be supplied along with the system:

1. Type: Fixed Angle
Capacity: 10x2ml
2. Type: Fixed Angle
Capacity: 6x30ml
3. Type : Fixed Angle
Capacity: 12 X 1.5 mL
4. Type : Fixed Angle
Capacity: **14 or more X 0.5 mL**
5. **Type: Swing Bucket Capacity: 4/6/8 x 05ml or more**

Installation & Warranty

- Installation, Demo & technical training, seminar to faculty & Researchers, Graduate students to be done at Site with no extra cost. Training: Onsite training.
- Machine should come with three Year Warranty and The rotors and the drive system of the machine must have at least 5 years (non-prorated) warranty.
- AMC for three years after the warranty period needs to be quoted