

High speed Centrifuge (Floor Model) with speed around 26,000 rpm for use to centrifuge the Biological samples.

Specifications:

Max. Speed: 26,000 rpm \pm 500 RPM

Max. RCF: 75,000xg \pm 500 RPM

Max. Rotor Capacity: 6 x 1000 ml

Control: Microprocessor controlled, Touch-screen interface with digital display

Drive System: High performance, brushless, high frequency direct drive motor or other latest technology.

Temperature Control Range: 0°C to 40°C

Temp. Control Accuracy: \pm 1°C of set temperature

Refrigeration System: Non-CFC/ HCFC, non-ozone-depleting Refrigeration technology

Run Time: 99 h 59min; Hold

Ambient temp. range: 15 to 45 °C

Speed Control Range: 300 rpm to Maximum RPM

Speed Control Accuracy: \pm 25 rpm

Programmability: 15 programs or more

Acceleration/ Deceleration Profile: 9/10

Power: 230 VAC, 50 Hz, single phase

Instrument should have inbuilt vacuum system to support up to 200 micron vacuum pressure.

The centrifuge must be capable of supporting Fixed Angle/**Swing-out** rotor made of **titanium** and aluminum rotors.

The centrifuge must provide automatic and instant rotor identification.

Centrifuge should have pre cooling/chamber pre-cooling option.

System must comply with CE and other safety and regulatory standards.

The centrifuge must offer a non-prorated drive unit warranty of 10 years or more.

Rotors provided with this centrifuge must have a 15 years non-pro-rated rotor replacement warranty.

Machine should be brush-less high frequency direct drive motor and have features like

Delayed start/ stop, dual display of 'Run' & 'Set' parameters, Real Time Control, etc.

Warranty applicable for the instrument and the rotors are to be mentioned clearly.

A suitable voltage stabilizer should also be supplied along with the centrifuge machine and the stabilizer cost to be included in the main quotation only.

The suitable consumables should be quoted as optional item

Fixed angle rotors (Cost to be included in the main Quotation only, the price of units should be mentioned separately) Selected rotors must be certified as autoclavable to 121 °C.

Fixed Angle Rotor

Max. Speed: 8,000 rpm or more

Max. RCF: 15,000 x g or more

Capacity: 6 x 1000ml

Fixed Angle Rotor

Max. Speed: 16,000 rpm or more

Max. RCF: 30,000 x g or more

Capacity: 6 x 250 ml

Fixed Angle Rotor

Max. Speed: 25,000 rpm or more

Max. RCF: 75,000 x g or more

Capacity: 8 x 50 ml

Fixed Angle Rotor

Max. Speed: 17,000 rpm or more

Max. RCF: 39,000 x g or more

Capacity: 14 x 50 ml

Compatible 10/15 ml and 1.5 ml adaptors for 8 x 50 ml rotor should be provided.

Spare set of bottles each of (6 x 1000 ml), (6 x 250 ml) and tubes (8 x 50 ml) for the operation of Fixed Angle Rotors to be included in the main quotation only.

Important Note

Complete Instruction, Service Manuals with Circuit diagrams and engineering details (including Refrigeration) should be supplied along with the system.

Supply, installation, training and final acceptance tests at NCBS, Bangalore.

Training to be provided to the researchers on site of installation of the equipment.

Warranty

The warranty of the equipment should be for a period of minimum 36 months from the Date of acceptance. During the warranty period free upgrades of the software's should be provided without any cost.

Centrifuge should be offered with all suitable rotors and required accessories listed as optional on the tender.

The offer should include the list of suitable rotors for model with cost of rotors and consumables.

The system should be CE/ISO Certified