



Indian Institute Of Technology - Kanpur

DEPARTMENT OF BIOLOGICAL SCIENCES AND
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Enquiry for Ultra-Centrifuge & Large Volume Tabletop Refrigerated Centrifuge

We would like to purchase an Ultra Centrifuge and Large Volume Tabletop Refrigerated Centrifuge for our laboratory. Offered product should take into account specifications given below.

Specifications for Floor Model Ultra-Centrifuge

- RPM; 1, 00,000
- Max Force; 802,000xg
- Drive Type; variable frequency Induction drive or equivalent.
- Refrigeration System; Thermo electric temperature Control system and Non coolant based.
- Vacuum system; Moisture purging /Moisture removal system.
- Should be able to handle volume starting from small such as 1ml to around 250ml/tube.
- Temperature range should be from 0 to 40°C with 1 degree increment.
- System must have ambient operating temperature range [10°C to 40°C]
- System should be able to accept Fixed Angle/Vertical Tube/Near Vertical &Swinging Bucket Rotors. Power : 200-240 VAC.
- User defined programmer up to 1000 with 20-30 steps each.
- System must have Windows based easy to use Software and have simulation feature

Mandatory Required Rotors and Tubes:

1. 8 x 13.5 ml, fixed angle rotor Titanium RPM 90,000 and RCF 6,94,000xg. The rotor should be capable to accommodate smaller volumes such as 10ml,6ml and 4ml at maximum RPM & RCF by using suitable adaptors, spacers and relevant caps

Suitable tubes should be quoted in main offer along with rotors. Required tools, tube sealing device- 01, tube racks should also be quoted.

Large Volume Tabletop Refrigerated Centrifuge

- BENCH-TOP CENTRIFUGEREFRIGERATED Power: 220V/50Hz

Features:

- Maximum Speed/Force 10,200 rpm/11,400g with
- fixed angle rotor 6x100ml
- Maximum Capacity 3 liters with swing out rotor 4x750ml (max speed 4750rpm & RCF 5250xg)
- Digital parameter set/display in RPM or RCF,with possibility to toggle between display mode
- Self-balancing direct drive

- Automatic soft-start
- Timer up to 9 hours
- Brushless induction drive
- User Defined Programs
- Acceleration / Deceleration profiles, independent of rotor type used.
- Refrigeration, CFC-Free
- Temperature range -10°C to 40°C
- Rotor imbalance detector and Rotor ID
- Automatic Door Interlock
- Instrument should accommodate 56 conical tubes of 15ml, 16 conical tubes 50ml.
- Audible alarm at end of run Noise at max. speed

Required Rotors & accessories:

Swing out self-balancing Rotor (Automated Rotor Imbalance Equilibrating System) correct up to 50g.

Capacity: 4x750ml

Material : Aluminum

Max. RPM : 4,750 , Max. g-force : 5,250

Possibility of Biosafety by specific bucket covers.

- Adapter for Corning T-75 & T-25 culture Flasks
- Adapter for 15ml conical tubes
- Adapter for 250 ml conical tubes
- Adapter for 500 ml flat bottom bottles

Terms and Conditions:

- Cost of the items including relevant accessories with technical specification should be mentioned in detail.
- Prices should include delivery up to IIT Kanpur.
- Warranty should at least be for three year after installation.
- Validity of quotation should be at least for 90 days.
- Delivery period: within 30days from the date of purchase order kindly send your best offer(Technical offer separately) and the quotation along with your authorized dealer certificate to address given below.



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