

Inter University Centre for Evolutionary and Integrative Biology (*i*CEIB)
 University of Kerala, Kariavattom, Thiruvananthapuram
 Ref No: *i*CEIB/Pur/Ten02/2018 dated 18 January 2018
 Last date of submission of tender : 29 January 2018

Sl. No.	Name	Number
1	<p>Benchtop 6-in-1 REFRIGERATOR INCUBATOR ROTATOR ROCKER STIRRER SHAKER system</p> <p>Specifications:</p> <ul style="list-style-type: none"> - Fast and Precise Temperature setting between 4-75°C for refrigeration or incubation. - Magnetic Rotating/Rocking Platform and Clip Plate System holds almost any container at any angle. - Integrated High Speed/Low Speed Magnetic Stirrers. - Programmable Timers and Alarms for temperature and/or mixing. - Thermo-Electric (Peltier) Refrigeration and Heating system. - RS232 Port for computer control and/or data logging. 	1
2	<p>REFRIGERATED Benchtop CENTRIFUGE</p> <p>Specifications:</p> <ul style="list-style-type: none"> - Temperature range of -11°C- + 40°C, which is modifiable during the run - Centrifuge must have a „fast cool“ function where cooling process can be shortened - Must have a standby cooling and heating mode up to 8 hours which enables cooling or heating even when not in operation. - Must have automatic temperature start up at a specific time to automatically pre-prepare temperature before centrifugation - Speed range upto 18000 is advisable and Rcf 30,000g. - Must have “At set rpm” function which enables timer countdown to be started only when selected speed is achieved - Must have digital display of time, speed and temperature - Programmable time and speed using jog dials - Must be able to store 50 routine procedures with 5 programmable buttons for frequently used programs in the first level. - Low noise levels less than 63db at max speed - Brushless maintenance free drive - Automatic motorised locking when lid almost closed - Must follow safety standards set by IEC 1010-2-020. - Choice of 7 fixed angle rotors and 1 swing out rotors should be 	1

available

- Aerosol tight fixed angle rotor accommodating 30 x 1.5/2ml tubes; 20,817 x g/14,000 rpm
- Fixed angle rotor accommodating 6x 15/50ml Falcon_ or blood collection tubes when sleeves and adapters are used (7, 830 rpm and 7, 745 x g)
- Must have 2 place swing-bucket rotor for MTP, PCR and deepwell plates spin 2204xg (4680 rpm)