

# ADVANCED INSTITUTIONAL BIOTECH HUB

(SPONSORED BY DEPARTMENT OF BIOTECHNOLOGY, GOVT. OF INDIA)

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Advt No: **KC/DBT/B4/18-19/718**

Date: **4-06-18**

## List of equipments required to purchase:

### 1. Shaker Incubator:

#### Technical specifications:

- \* Speed: 50-400 rpm : Accuracy  $\pm 2$  rpm
- \* Temperature control automatic :  $7^{\circ}\text{C}$  above ambient to  $60^{\circ}\text{C}$
- \* Accuracy & Control:  $\pm 0.1^{\circ}\text{C}$  at  $37^{\circ}\text{C}$  regulated by PI microprocessor feedback control with platinum RTD sensor
- \* Heaters: Low watt density resistance type heaters
- \* Shaking control :  $\pm 2$  rpm
- \* Orbit:  $3/4"$  (1.9cm)
- \* Ambient operating conditions: Temperature  $10^{\circ}\text{C}$  to  $35^{\circ}\text{C}$
- \* Certifications: Meets UL, CSA & CE standards
- \* Electric Service: 230V 50Hz
- \* Dimensions:  $22" \times 30" \times 24"$

Universal Platform ( $18" \times 18"$ ), 46 cm x 46 cm  
100 mL Erlenmeyer Clamp with spring retainer

### 2. High speed Centrifuge

#### Technical Specifications:

- \* Maximum RCF: 30,133 x g
- \* Maximum RPM: 17,500 1/min
- \* Acceleration time: 14s
- \* Deceleration time: 15s
- \* Soft ramp - adjustable for rotor acceleration and braking slowly
- \* Timer: 30 s - continuous
- \* Noise level: <67 dB
- \* Power supply: 230 V / 50-60 Hz
- \* Dimension (WxDxH): 38x64x29cm
- \* Weight without rotor: 55Kg
- \* Wide temperature range from  $-11^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ , which is modifiable during the run operation.

- \* Able to maintain at  $4^{\circ}\text{C}$  at max. speed.
- \* Able to store 50 routine procedures with 5 programmable buttons.
- \* Able to switch display between rcf and rpm speed setting
- \* Short Spin Function

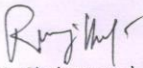
- \* "At Set RPM" function - time count starts after reaching the set rpm
- \* "Fast Temp" function - to start a temperature control run directly
- \* "Fast Temp pro" function - to start a temperature control run with defined start time

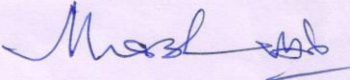
3. Anaerobic Chamber:

Technical specification:

- a) Single person's working Capacity.
- b) Temperature and Humidity Controlled Anaerobic
- c) Incubator system
- d) Durable, Non Corrosive Acrylic Resin Sheet construction renders better visibility & insulation.
- e) Manual Control Panel
- f) 300 plates Incubation capacity.
- g) Inbuilt Letter Box and Transfer Tube Systems to transfer Petri Dish
- h) Premixed anaerobic gas.
- i) Atmospheric conditioning system using Palladium catalyst and Anotox.
- j) Latex Sleeves which provide greater durability and work convenience
- k) Internal fluorescent light.
- l) Bare hand working facility.
- m) Foot operated controls.

Interested vendors are invited to submit sealed quotation within 15 days from the date of publication of this notice. The envelopes containing quotations will be opened on 30<sup>th</sup> June, 2018 at 2.00 pm.

  
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