

SPECIFICATION OF Refrigerated INCUBATOR SHAKER

Item	Make	Model
Incubator shaker	Eppendorf / New Brunswick	E24R

- Speed range : 50 to 400rpm ,+/-2 rpm with 1.9 cm diameter orbit .
- Programmable : Shaking period from 0.1 hrs to 99.9 hrs.
- Programmable Temperature Range :4°C to 60 °C (Minimum set point is 4°C)with +/- 0.1°C at 37°C accuracy and uniformity +/- 0.5 degree.
- Drive: Eccentric counterbalanced drive with permanently lubricating ballbearingswithout using any magnet.
- Speed and rpm should calibrated via keypad.

- Motor: Variable speed DC Brushless Motor.
- Weight should not more than 80Kg.
- Self-correcting Microprocessor controller automatically compensates for changes in workload, voltage and temperature to maintain operator program set point.
- Alarms: Visible warning signal indicate s when speed deviates more than 5 rpm and temperature more than 1°C from set points and when timer has expired.
- LED Display indicates speed, running time, alarm, condition and Temperature, Self-diagnostic indicator .
- System should supply with universal platform which can hold the flasks from 50ml to 2.8L and should have capacity to hold at least 18 flasks from 250ml .
- Clamps should be supplied for 125ml, 250ml, 500ml flasks at least 3 nos. each.
- Certifications: European Standard, CE
- IQ,OQ, PQ should be done.
- it should have a separate stable chamber near the roof for keeping plate culture etc.
- With following accessories as FOC- 3 Pipette set with variable volume,