

Incubator Shaker

Sr No	Specifications
1.	Speed range: 25 to 400+/- 1 rpm.
2.	Plat form size at least 460mmx 460mm or bigger.
3.	Temperature Range: At least 15°C (+/-2°C) below ambient and up to 80degC, must have Minimum set point 4 degC.
4.	Temp Accuracy: $\pm 0.1^{\circ}\text{C}$ at 37°C, with a uniformity of $\pm 0.25^{\circ}\text{C}$.
5.	Drive: Triple Eccentric counter balanced Drive with 9 permanently lubricated in cast-iron housing for trouble free operation or Triple eccentric electromagnetic drive.
6.	Controller: programmable for speed up/down and temperature up or down on a timed basis.
7.	Multifunction single knob operation or keypad is required.
8.	Stackable: at least two machines should be stackable without any stand and provision to use "on or under the bench".
9.	Universal tray with clamps should have capacity to hold of variable sizes (ranging from 50ml to 6L with one shelf) and at least 18 flask of 250ml capacity.
10.	One adjustable shelf should be provided for keeping petri plates etc with shaking flask of Size up to 4L simultaneously.
11.	Facility for future up-gradation for Culture drawer.
12.	Alarms System should have audio visual alarms if units operate +/-5 rpm and +/-1 degC of set parameters
13.	Clamps to be supplied 14 nos.250ml clamps and 4 nos. 500ml clamps & 2 nos. 1L & 2 nos. 2L should be supplied.
14.	Should have Multi-function reservoir, with built-in pluggable drain, humidifies chamber to reduce sample evaporation as well as capture accidental spills
15.	Should have Spill cover, above the drive, additionally protects electronics and mechanical components
16.	Universal Platform should have provision to hold Each Test tube holder for holding 1.5ml tubes at least 80nos., 15ml tubes at least 36 nos. & 50 ml at least 20 nos and Each Microtiter Plate Holder can hold 9 plates in one .
17.	2Years Warranty
18.	Instrument should be supplied with below items: With suitable voltage stabilizer
19.	The system should supply along with all relevant items to fully install and demonstrate the system at sight.
20.	At least 20 installations of the Quoted model with installation report and List of at least five best publications (In peer reviewed journals having Journal Impact Factors) of the quoted instrument and having citation of that instrument.
21.	The bidder shall confirm that the quoted instrument has not been supplied or offered at a rate lower than the rate quoted in the present tender during the current financial year.
22.	Demo if required on asked technical specification for verification, that will be in physical mode at ICAR-IIVR, Varanasi or any other institutes located in Varanasi. The technical specification provided in catalogue & flow schematic must match with the offered model on their global website. All the asked specifications should be clearly highlighted in the product brochure, writing "yes (copy paste)" in the compliance/Catalogue will not be considered as the valid argument which may lead to disqualification.