

INCUBATOR WITH ORBITAL / RT-PLUS SHAKER



BRUSHLESS DC MOTOR &
INBUILT DC DRIVE FOR 24 HRS CYCLE



In order to provide optimal conditions for cell growth, some type of agitation or shaking is necessary to incorporate oxygen and evenly distribute nutrients throughout the culture media. That's often done by placing a separate shaker inside an incubator, but incubator shakers combine those functions for a more convenient and efficient setup. The incubator shaker can be used for growth of just about any kind of cell including bacterial cultures, tissue cultures and yeast. Incubator Shaker set-ups range from compact, benchtop systems to large-capacity, floor-stackable units the size of a large freezer.

SPECIFICATIONS :

- **Body Material** - MS Painted with Epoxy Powder Coated
- **Tray Material** - Stainless Steel 304
- **Temperature range** - (5 °C above ambient) to 60 °C
- **Shaking Speed** : 20 - 200 Orbital strokes per min
- PMDC Motor with 25 mm dia. Motion.
- BLDC Motor for 24 hrs running cycles. (Optional)
- **Stroke Length** : 25 mm dia
- Fitted with recirculation fan in the chamber for uniformity of temperature.
- **Samples viewing** : Transparent Glass window cutout on front door of 1 feet square.
- **Inbuilt Lighting** : Built in lighting attachment with low wattage provided with External Switch on the front panel.
- Digital Display with PID Controller of Accuracy ± 1.0 °C by using PT - 100 as Sensor.
- Electrically operated on 230V AC/ 50Hz.

CAT. NO.	Tray Size in mm	Chamber Size in mm	Stroke Speed per min.	Digital Speed Indication
IS - 82 01	335 x 335	400 x 400 x 450 ht	20 - 200	No
ISR 82 02	335 x 335	400 x 400 x 450 ht	20 - 200	Yes
IS - 82 03	435 x 435	500 x 500 x 500 ht	20 - 200	No
ISR - 82 04	435 x 435	500 x 500 x 500 ht	20 - 200	Yes
ISRT - 003	435 x 435	500 X 500 X 500 ht	20 - 200	Yes

Note : SS Lotus clamps for holding the flasks in the shakers to be order separately, please refer the above chart for CLAMPS to be used for Incubator shaker.

CAT. NO.	Flask Capacity (ml)	No. of SS Lotus Clamps required for tray size 335 x 335 mm	No. of SS Lotus Clamps required for tray size 435 x 435 mm
SS CLAMP - 501	50	16	25
SS CLAMP - 502	100	16	25
SS CLAMP - 503	250	9	16
SS CLAMP - 504	500	9	16
SS CLAMP - 505	1000	4	9
SS CLAMP - 506	2000	1	4



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