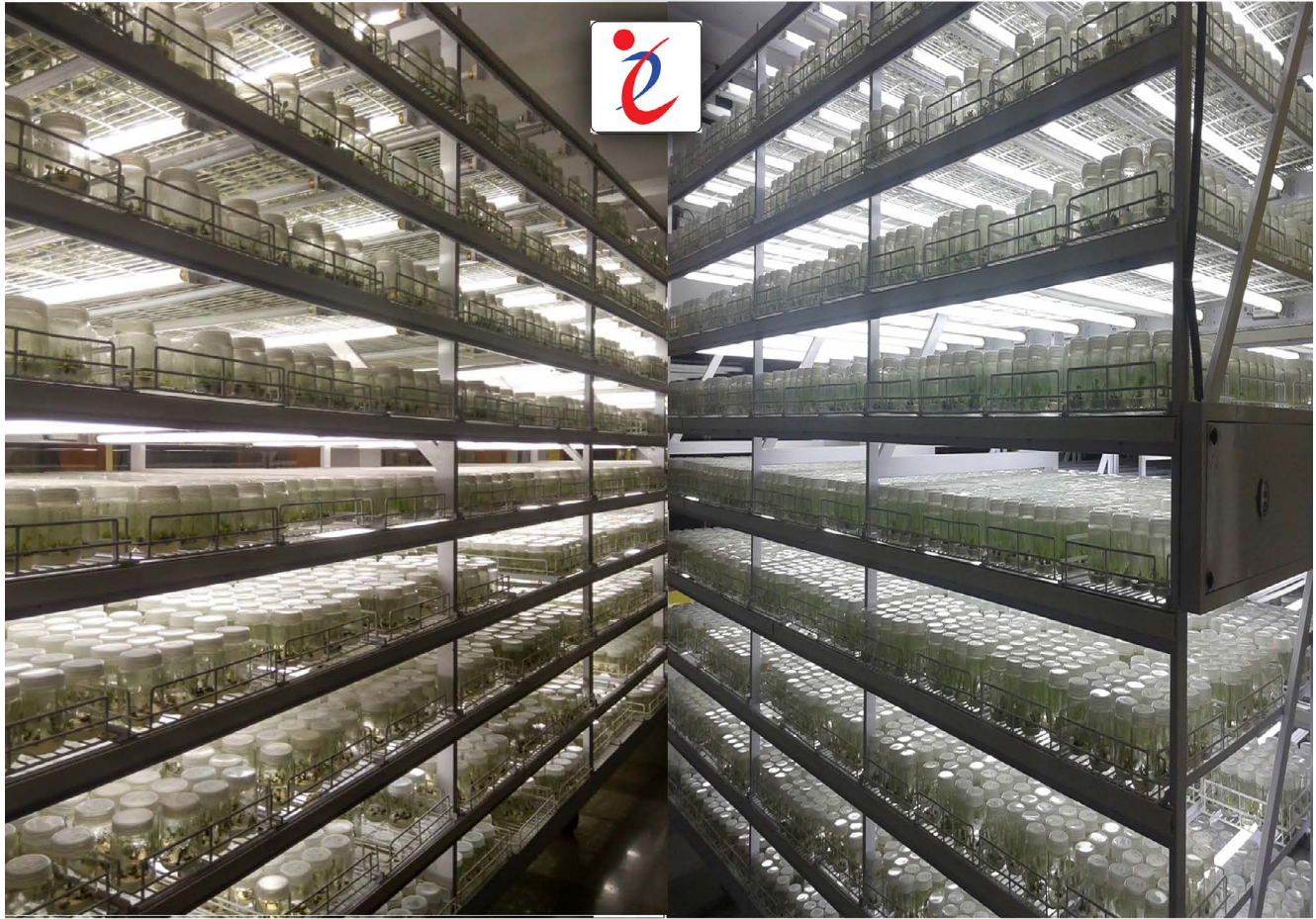


# Plant Tissue Culture Racks



## Tissue Culture Racks (Industrial / Commercial)

### Product Specification

#### TISSUE CULTURE RACKS

- R1- Fixed Racks with or without castor wheel
- R2- Movable Racks with rail and geared movement
- Detailed specifications attached with financial quote for your reference

#### TECHNICAL SPECIFICATIONS

TC Racks are designed keeping in mind the application research or commercial production.

**Research rack:** are generally fitted with multiple PAR lights with photoperiodic timer & shelves are either mild steel powder coated/ glass/SS/ tray mounting type.

The racks are mounted on castor wheels.

## Commercial Production Racks:

Are generally designed as per customer specification depending on the rooms size & total bottle capacity required. These racks are generally 10-20 feet in length & 4.2ft depth & 8-9ft Height. These racks can commonly accommodate 3000-14000 bottles per rack. Racks are fitted PAR lights with photoperiodic timer. Racks can be either fixed or castor wheel mounted or on rails with mechanical movements.

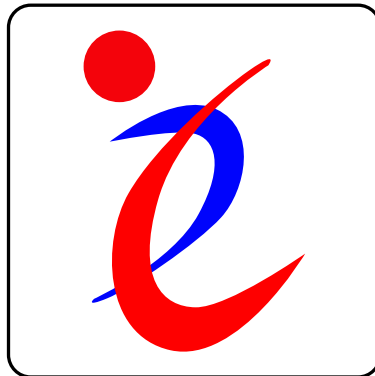
Size ( Approx) LXDxH	Designed as per room size
Bottom Frame	ISBC 75 / 100 mm
Side/ Supporting frames	MS tubular 25x 50mm 16 Swg
Tube and chock & Tray Channel mounting	C Channel 12x50x12mm 2mm CR sheet
Tray mounting Channel	L & T type Channel 25x20mm 2mm CR sheet
Distance between Tray bottom and Tube frame bottom	270mm
Rack fixing	MS coated bolts and nuts
Painting	Epoxy powder coated
Colour	Classic white
Size of Tray	365x435x75mm
Tube size	1200mm
Tube Wattage	FI 36 W / LED 20W
Ballast	Electronic 36 W

## Construction:-

- **Bottom Frame:-** MS channel (ISBC 75) 75x30x5mm/ 100x40x5 mm
- **Side Frames:-** 25x50mm MS tubular 16 SWG
- **Tube and Chock Mounting:-** 12x50x12mm C Channel constructed out of 2.0mm CR Sheet
- **Tray Mounting Channel:-** 25x20mm L and T Channel constructed out of 2mm CR sheet
- **Rack Mounting:-** On MS wheel with gear arrangement mounted on solid rail for easy mobility for cleaning and other purpose using rotating handle on side. Or Heavy castor wheel mounted.
- **Control panel:-** mounted on side with MCB's contactor and Digital timer
- **Painting:-** Powder coated classic white
- **Fittings:-** MS coated Bolts

**Electrical:-**

- **Tube:-** Philips 36 W Fl. Tube / 20W LED
- **Ballast:-** Philips Sumo 36 W
- **Side Holders:-** Branded
- **Timer:-** Programmable Digital
- **Contactor:-** 16 amps 3 Pole Branded/ SSR 16A
- **Control:-** MCBs branded one each for each row
- **Wiring:-** Main input wire 2.5 Sq.mm Havels/ Finolex or similar make in PVC casing
- **Tube to chock:-** 0.25 sq.mm wire



# ELS Instruments

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