

PLANT TISSUE CULTURE WORKSTATION

BioEra's Plant Tissue Culture Workstation represents the next generation in Plant Tissue Culture Technology. Equipped with a ready-to-use design, this versatile instrument maintains a stable microclimate to set conditions like temperature, period, humidity and illumination. Thus, the Workstation is suitable for any purpose which may require constant environmental conditions such as cultivation of plants, breeding and rearing of insects, microbial culturing etc. and can function independently for greatly extended periods of time without the need for constant maintenance or upkeep.



SINGLE DOOR (500 L)
CAT. NO.: BE/CI/PTC/A-500



DOUBLE DOOR (1000 L)
CAT. NO.: BE/CI/PTC/A-1000



BioEra's Plant Tissue Culture Workstation is ready-to-use machine equipped with all requisite parts for immediate working following installation

FEATURES

- **Construction:** Interior chamber, manufactured with mirror stainless steel, appears attractive, resists corrosion and facilitates even diffusion of light. Chamber doors are manufactured with collapsible viewing windows
- **Air Supply:** Intellectually designed with Radial flow blast advancing convection circulation for effective and efficient air fluidity and temperature uniformity throughout the work chamber
- **Compressor:** High quality compressor, circulation air duct and non-fluorine cryogen offer high performance that is energy saving and eco-friendly
- **Control System:** User-friendly control panel equipped with LED indicators facilitates setting of incubation conditions such as Temperature, Humidity and Light. Machine can be programmed up to 30 periods. Automatic switching between periods enables user-defined photoperiod cycles
- **Sensors:** Equipped with thermistance sensors for accurate temperature detection and control
- **Anti-Condensation:** Ultrasonic Damping Technology prevents condensation of vapors on inner walls of Workstation
- **Mobility:** The base of the unit is equipped with wheels
- **Memory Function:** Machine comes equipped with Memory Function in case of power failure
- **Safety:** Self-Diagnostic Safety System automatically sounds alarm if temperature in chamber is 2°C above or below the set value. Safety System automatically stops heating in Work Station if surrounding temperature is greater than 52°C. Alarm automatically sounds in the event of any short circuit within the instrument. Integrated type refrigeration system with multiple protection ensures safe functioning for long duration obviating the need for constant visual monitoring of the Workstation
- **Lamp:** Full spectrum white light lamps and fluorescence lamps, facilitates plant growth with improved disease resistance
- **Temperature Range:** 0°C - 50°C • **Humidity Range:** 50 % - 95 %
- **Light Intensity Range:** 0-5500 LUX
- **Applications:** Seed germination, Seedling breeding, Plant group foster and cultivation, Breeding of insects and Microbial Culturing etc.

FEATURES	SPECIFICATIONS	
Model	Double Door	Single Door
Cat. No.	BE/CI/PTC/A-1000	BE/CI/PTC/A-500
Temperature Range	0°C - 50°C	
Temperature Uniformity	±1°C	
Humidity Range	50 % - 95 %	
Light Grade	0 - 3 grade	
Light Intensity	0-5500 LUX	
Time Range	1-24 hours	
Heating Power	500 W	
Compressor Power	190 W - 320 W	
Maximum Noise	<70 dB	
Humidifier Water Tank Capacity	3 L	
Working Mode	Continuous operation (Compressor functions intermittently)	
WORKING ENVIRONMENT & PHYSICAL MAKE-UP		
Temperature	0°C - 40°C	
Humidity	<80 % RH	
Capacity	1000 L	500 L
Dimensions	1260 x 660 x 1785 mm	692 x 692 x 2000 mm