

Sterilizer – Media Preparator



MEDIA PREPARATOR

Application: • Labs • Institutes • Hospitals



Culture media & liquids



Plastics & metal objects



Glassware



Laboratory waste bags

Standard Features:

- Inner Chamber and sterilizer cylinder made of SS316L & outer made of stainless Steel Ss304.
- Horizontal sliding (Single Lever).
- Built-in air compressor for pressure maintenance
- Keep stirring with a magnetic stirrer to ensure the medium is fully & evenly mixed & the temperature is uniform.
- The liquid program has an automatic control function for cooling back pressure.
- Throughout the process, the culture medium is fully mixed, heated, sterilized & cooled to the set portioning temperature.
- Efficient heating & cooling
- Analogue pressure gauge provided for online monitoring of pressure.
- Equipped with a safety valve & pressure gauge, the relief valve
- Easy to operate, safe, and reliable.
- Provided with castor wheels.
- Single Lever locking Mechanism
- Uses steam under pressure (usually 121°C at 15 psi) to sterilize the media. Kills all microorganisms, including bacterial spores.
- Continuous stirring through a magnetic stirrer ensures full mixing of the medium and uniform temperature.
- Allows for accurate mixing of powdered media and water. Can be programmed to heat and maintain media at specific temperatures for specific durations.
- After sterilization, the unit cools the media to a pourable temperature (typically 45–50°C for agar).
- Suitable for preparing large batches of media, often 5–80 liters. Ensures homogeneity and consistency across all batches.
- Media sterilization temperature range: up to 134°C.
- Media dispense temp range: 40~80°C.
- Exchangeable media vessels & hence easy to clean and enables back to back preparation of different media.
- Inbuilt support pressure mechanism/system



Thermal Printer for data records Peristaltic pump

- Peristaltic pump is for automatic dispensing of sterile culture media after preparation and sterilization which ensures no risk of cross-contamination.

Control Features:

- Coloured Touch Screen HMI of 4.3" Programmable HMI touch screen controller, the whole process of automatic control, display the running process status with multiple programs.
- Power of hold function, after re-connecting the power.
- With USB interface, can output and store sterilization records.

Safety Features:

- Over-temperature automatic protection device
- Anti-dry burn protection device
- Door safety interlock device
- Thermal insulation hot cover
- Overpressure automatic pressure relief safety valve

Global Presence In More than 85 Countries



Awards

- Award for Leaders in Sustainable Stability Chambers For reducing electrical consumption by 60% & water consumption by 90%
- Best Innovation In Sustainability
- India Design Mark Award



Complete after sales service provided such as installation, calibration, validation, repairs, modification & annual maintenance contracts.



This NABL accredited laboratory is equipped to carry out on site calibration & validation of various parameters like temperature, relative humidity, pressure, vacuum, dimension etc.

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Unit II



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Unit I

