**Technical Specifications for *Laboratory Autoclave (pressure steam sterilizer)***

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| **No.** | **Technical Specifications** | **Min KAUH Requirement** |
| 1 | Manufacturer | Please specify manufacturer and country of origin |
| 2 | Model Number | Please specify model number of the offered equipment |
| 3 | Safety Standard | FDA approval or CE marking |
| 4 | Application | * Decontamination of Microbiology biological waste (solid and liquid) including Petri dishes and blood culture bottles with live bacterial organisms.
 |
| 8 | Features | * Free standing
* Sliding door: preferably horizontal (Right & Left) or vertical (Up & Down).
* Interior stainless steel pan (easily removed and cleaned): for collection of any liquid spills that may result during the autoclaving cycle.
* Operator friendly and easy to use.
* Fully automated with latest up-to-date technology including automatic water feeding, steam generation, fast cooling by fan or water jacket chamber, and drying function.
* Microprocessor controlled: fully programmable with pre-defined programs and ability to initiate new programs.
* Digital display.
* USB interface.
* Compatible power supply&UPS.
 |
| 9 | Screen | Touch screen |
| 10 | Capacity | * ≥400 liters
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|  | Sterilization Temperature | * 105-138°C
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|  | Sterilization Time | * 1-300 min
 |
|  | Working Pressure | * 0.22 MPa
 |
|  | Safety Requirements | * Easy cleaning &maintenance.
* Controls& monitors of pressure, temperature, time, and water.
* Audible alarms for errors as imbalance, improper locking, and others.
 |
| 11 | Main Power | 220 - 240 VAC , 50 Hz |

Un code :42281508

**Technical Specifications for *Complete two-in-one system including laboratory autoclave and media dispenser***

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| **No.** | **Technical Specifications** | **Min KAUH Requirement** |
| 1 | Manufacturer | Please specify manufacturer and country of origin |
| 2 | Model Number | Please specify model number of the offered equipment |
| 3 | Safety Standard | FDA approval or CE marking |
| 4 | Application | * Preparation, sterilization, and dispensing of culture media safely and rapidly.
 |
| 5 | Features | * Standing/ Bench top.
* Operator friendly and easy to use.
* Fully automated with latest up-to-date technology.
* Microprocessor controlled: fully programmable with pre-defined programs (that show all the parameters and full duration of each complete cycle) and ability to initiate new programs.
* Digital display.
* USB interface.
* Continuous stirring, fast heating, and rapid cooling.
* Compatible power supply &UPS.
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| 6 | Screen | Touch screen |
| 7 | Minimum capacity per hour | * Thirty (30) liters of media, & six hundred (600) Petri dishes (of different standard sizes; up to 90mm in diameter, &25mmin depth).
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| 8 | Recommended accessories | * Filling port with wide opening and safety lock for media sterile additives.
* Dispenser of liquid media into tubes.
* Printers for documentation of cycle details & for labeling of Petri plates, and others.
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| 9 | Safety Requirements | * Easy cleaning &maintenance.
* Controls& monitors of pressure, temperature, time, and water.
* Audible alarms for errors as imbalance, improper locking, speed Errors and others.
 |
| 10 | Main Power | 220 - 240 VAC , 50 Hz |

**Un code :**42281508