Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Classic Standard Autoclave

Product Code :

SLE/LA/06



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Description :

Built around culture media for school and college biology rooms, this 12 litre autoclave sterilises at 121°C and 1.05 bar, with a minimum sterilising time of 22 minutes. One button starts the cycle. Its interlock lid stays shut until the inside has cooled, and at 4.3 kg the unit is light enough to move between rooms.

12 litre media autoclave specifications

Parameter	Detail
Capacity and chamber	12 litres; 210 mm diameter × 318 mm height
Cycle	121°C at 1.05 bar operating pressure; minimum sterilising time 22 minutes
Maximum load	4 kg unwrapped; instruments up to 290 mm long
Overall size	340 mm wide × 420 mm high (max)
Net weight	4.3 kg (max)
Electrical	230 V, 1500 W, 50–60 Hz
Controls	One-touch button operation
Lid	Interlock lid; cannot be opened until the internal temperature has fallen
Product code	SLE/LA/06
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Supplied by	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Media preparation practicals with the 12 litre autoclave

Agar plates for a streak-plate practical. Make up nutrient agar in screw-cap conical flasks, loosen the caps and press the button to start the cycle. When the lid releases and the flask can be held comfortably, pour the agar into triple-vent Petri dishes beside a Bunsen burner and let the plates set.

Broth for a growth-curve exercise. Sterilise nutrient broth in a baffled culture flask with its cap loosened. Once it has cooled, inoculate it with an inoculation loop, then incubate and shake it, taking samples at set times.

Clearing up after the class. Collect used plates in a disposable autoclave bag, keep the load within 4 kg, and run a cycle before the bag goes out as waste.

Frequently Asked Questions About the Classic Standard Aut