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Product Name :

Electrophoresis Power Supply

Product Code :

SLE/BL/30



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Description :

The **Electrophoresis Power Supply** (Product Code: SLE/BL/30) provides the direct current that drives charged molecules through agarose gels in horizontal electrophoresis tanks. It offers 25V, 75V and 110V settings, delivers up to 55W and 500mA, and has three sets of output connectors so up to three chambers can run at once from a single unit. An LED screen, an illuminated power switch and overcurrent protection make it a practical electrophoresis power supply for school biotechnology labs, college practicals and teaching workshops. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Voltage settings	25V, 75V, 110V (variable voltage)
Maximum output	55W
Maximum current	500mA
Outputs	Three sets of output connectors; runs up to three chambers simultaneously
Power input	230V AC, 50/60Hz
Display	LED screen
Switch	Illuminated power switch
Protection	Overcurrent protected

Typical Use

After gels are loaded and tank lids closed, students connect each chamber's leads to one set of outputs – red to red and black to black, so that negatively charged DNA moves towards the positive electrode – then select the voltage and switch on. The lower setting suits longer, gentler runs, while the higher settings shorten the run for a timetabled lesson; the LED screen confirms the unit is working and the illuminated switch shows at a glance when the gels are live.

Being able to drive three chambers from one unit is valuable in horizontal gel electrophoresis classes, where several groups load gels at the same time. Keep the combined load within the 500mA and 55W limits, always switch off before opening a tank lid or disconnecting leads, and place the unit on a dry bench away from spilled buffer. The overcurrent protection adds a safeguard if a lead or tank develops a fault during a run.

Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited (CIN U29309HR2020PTC087597), an Ambala, Haryana company that manufactures teaching and laboratory apparatus at its licensed factory at 449, HSIIDC Industrial Area, Saha, Ambala (Factory Licence AMB-ONLINE-CHD-J-414). Its instruments are supplied to institutions in India and international markets; see our company profile for more.

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