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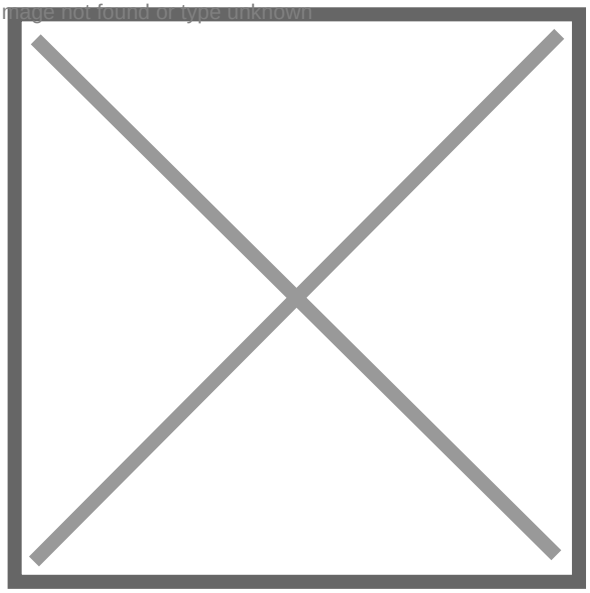
Product Name :

Gel Electrophoresis Apparatus

Product Code :

SCI-306/08

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Description :

Gel Electrophoresis Apparatus (Product Code: SCI-306/08) is a horizontal electrophoresis tank used to separate DNA fragments, dyes and other charged molecules in agarose gels in school, college and biotechnology teaching laboratories. Its tank holds 6 gels together and a gel run is completed in a fast 20 minutes, so a whole class can load and run samples within one practical period. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for institutions seeking a gel electrophoresis kit in India or overseas.

Specifications

Parameter	Detail
Gel capacity	Electrophoresis tank for 6 gels
Run time	Fast 20-minute gel run
Gel trays	6 casting trays with gel caps and combs; embossed gel ruler, rubber end caps and multiple slots for versatile comb placement
Pipettes	6 mini pipettes with tips
Chamber	Injection-moulded, UV-transparent thick acrylic; durable and leak-proof
Lid	Fits securely in place and can be removed easily
Safety features	Safety stop prevents the gel from running when the cover is not securely fitted; recessed electrical wires
Levelling	Adjustable levelling feet
Gel casting	Easy casting in the supplied trays
Buffer required	500 mL
Power supply	Required; the power supply described for this unit works at 75 V or 150 V with a maximum current of 250 mA (confirm inclusion in your quotation)
Product code	SCI-306/08
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Gel Electrophoresis Apparatus Used For?

Students cast an agarose gel in a tray, load samples into the wells formed by the comb and then apply a voltage across the buffer. Negatively charged molecules such as DNA migrate towards the positive electrode, and smaller fragments travel further, so a mixture separates into bands. Typical practicals include separating food-colour dyes, DNA fingerprinting simulations and checking the size of amplified DNA in college biotechnology courses.

Level the tank with its adjustable feet before casting so every gel sets to an even thickness, and make sure the gels are fully covered by the buffer. Fit the lid before switching on, since the safety stop will not let the gel run with the cover loose. A lower voltage gives a slower, sharper run, while the hi

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