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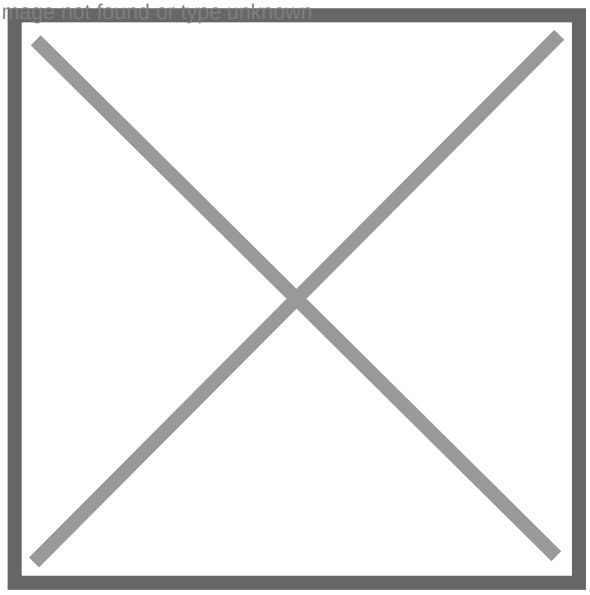
Product Name :

Sodium Dodecyl Sulphate (SOS) - Page Apparatus

Product Code :

SCI-308/09

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Description :

Sodium Dodecyl Sulphate (SOS) - Page Apparatus (Product Code: SCI-308/09) is an SDS-PAGE electrophoresis unit used to separate proteins by molecular size in polyacrylamide gels in biochemistry, biotechnology and research laboratories. It runs one or two gels at a time, lets the user cast and run the gel in the same casting stand, and has pure platinum electrodes with a built-in heat exchanger. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a laboratory equipment supplier in India, to buyers of vertical gel electrophoresis equipment in India and abroad.

Key Details

Parameter	Detail
Gels per run	One gel, or two gels at the same time
Casting	Gel casting device; the gel is cast and run in the same place (in the casting stand)
Gel clamping	Wedge frame designed to fix the gel chamber firmly
Buffer tank	Moulded tank fitted with pure platinum electrodes; designed to save buffer solution
Visibility	Tank gives a clear view without obstructions
Cooling	Built-in heat exchanger removes the heat produced during the run
Lid	Special design that avoids mistakes during operation
User safety	Power cuts off when the lid is opened
Storage	Base of the gel casting device stores one rubber cushion
Product code	SCI-308/09
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the SDS-PAGE Apparatus Used For?

In SDS-PAGE, the detergent sodium dodecyl sulphate unfolds proteins and coats them with negative charge, so their speed through the polyacrylamide gel depends mainly on size. Laboratories use it to check protein purity after purification, estimate molecular weight against a marker lane, prepare gels for Western blotting and teach protein biochemistry at undergraduate and postgraduate level.

Cast the resolving and stacking gels in the casting stand without moving the assembly, and check that the wedge frame is seated firmly before pouring buffer. Keep the lid closed throughout the run; opening it cuts the power by design. After each session, rinse the platinum electrodes with distilled water and let the tank dry before storage.

Supplier

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