



POPULAR TRADERS

Your Partner in Laboratory & Pharmaceutical Solutions



GEL ELECTROPHORESIS

PT-50 Submarine (Horizontal) Type · Economy Model

A compact submarine (horizontal) gel electrophoresis unit for DNA, RNA and protein separation — with a fixed platinum electrode and low buffer consumption for routine labs.

CERTIFIED & COMPLIANT



MSME

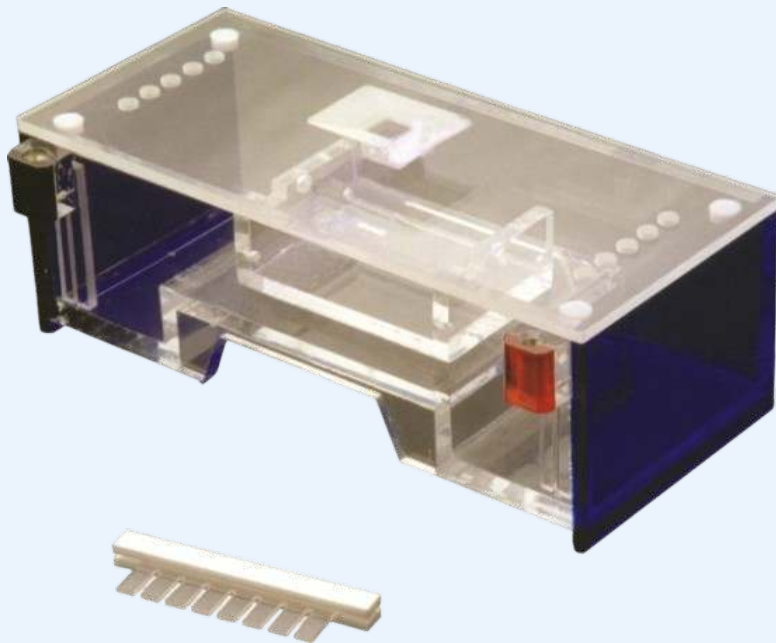
MICRO, SMALL & MEDIUM ENTERPRISES
सूक्ष्म, लघु एवं मध्यम उद्यम

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Ministry of MSME, Govt. of India



GeM
Government
e Marketplace



Submarine

Horizontal gel run

Fixed Pt

Platinum electrode

Low Buffer

Economy design

Multi-Tray

5×7 & 10×7 cm trays

Gel trays and combs included · Low buffer consumption · Ideal for teaching & routine labs



Technical Specifications

Parameter	Specification
Type	Submarine (horizontal) gel electrophoresis
Model	Economy model
Gel Trays	5 × 7 cm (2) and 10 × 7 cm (1)
Combs	8-well 1.5 mm (2) and 3-well 3 mm (1)
Electrode	Fixed platinum electrode
Buffer Use	Minimised (economy design)
Construction	Acrylic tank and gel-casting system
Applications	DNA / RNA and protein separation
Power Supply	Pairs with PT-52 (50–250 V, up to 100 mA)
HSN Code	9027 2000

Model Options

Cat. No.	Model	Gel Trays (cm)	Combs
PT-50	Economy	5×7, 10×7	8 & 3-well
PT-51	Lab-scale	6×6.5, 13×6, 13×13	15/8/2-well

Optional Accessories

- PT-51 — Laboratory-scale submarine unit (detachable platinum electrode)
- PT-52 — Electrophoresis power supply (50/100/200/250 V, up to 100 mA)
- Spare gel-casting combs (various well formats)
- Spare gel trays and casting gates

Applications

- DNA and RNA size-based separation for genetic research and diagnostics
- Protein separation by size or charge
- Genotyping and detection of genetic variations
- Verifying DNA fragments after PCR or restriction digestion
- Nucleic-acid and protein quality control in biotechnology

Why PT-50

- Economy design minimises buffer consumption and running cost.
- Fixed platinum electrode for reliable, maintenance-free operation.
- Multiple gel trays and combs supplied for flexible sample formats.
- Pairs with the PT-52 power supply for a complete run setup.

Standards & Quality

- Clear acrylic construction for viewing the gel run.
- Suited to teaching labs, routine clinical and research work.
- Compatible with standard agarose gels and running buffers.

Request a Quotation

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