

GEL ELECTROPHORESIS APPARATUS AND BLOTTING UNITS

Specifications

Horizontal Electrophoresis Kit:

Mini units:

Complete Set - Including base gel running unit, safety lid, at least two casting trays and combs.

Gel Casting Tray: Standard form;

Combs sizes: 1.0 mm -4 wells, 8 wells &12 wells;
2.0 mm - 4 wells, 8 wells & 12 wells

Midi units:

Complete set: Including base gel running unit, safety lid, at least two standard casting trays and combs.

Gel Casting Tray: standard form;

Combs sizes: 1.0 mm -10 wells, 12 wells, 16 wells,24 wells
2.0 mm - 10 wells, 12 wells, 16 wells & 24 wells

Maxi units:

- Complete set: Including base gel running unit, safety lid, at least two standard casting trays and combs
- Gel Casting Tray: standard form;
- Combs sizes: 1.0 mm -16 wells, 20 wells, 28 wells, 40 wells

Vertical Electrophoresis Kit:

Mini unit set:

- Including base gel running unit, safety lid, connecting leads spacers etc.
- Gel casting unit including glass plates, combs, casting frame etc.
- Comb size includes 0.75mm, 1.0mm, 1.5mm, 2mm etc.
- Number of wells 10/12/15
- Clamp based gel casting unit will be preferred
- All accessories needed to make the unit fully functional must be included /quoted.

Midi Unit Set

- Including base gel running unit, safety lid, connecting leads, spacers etc.
- Gel casting unit including glass plates, combs, casting frame etc.
- Comb size includes 0.75mm, 1.0mm, 1.5mm, 2mm etc.
- Clamp based gel casting unit will be preferred
- All accessories needed to make the unit fully functional must be included /quoted.

Western Blotting Unit:

- Transfer blot unit for mini/midi vertical electrophoresis including all accessories needed to make the unit fully functional.
- Transfer unit must be suitable for mini/midi electrophoresis also.
- Provision for cooling.

Semi-dry Blotting unit:

- Should use minimal buffer to saturate blotting papers and membranes.
- Unit should accommodate mini/midi/maxi gels or multiple mini-gels side-by-side
- System should have a built-in power supply with automatic stopping feature. When the buffer becomes depleted, the transfer should stop automatically, saving the transfer before overheating.
- Light weight and easy to handle.

Power Supply:

- Power Supply suitable for vertical (mini and standard) and horizontal gel electrophoresis, semi-dry and mini tank blotting.
- Constant voltage and constant current modes
- Output Voltage: Adjustable from 0/5/10V to 500V/600V with an increment of 1 V or less
- Output Current: up to 800/1000 mA with increment of 1 mA
- Output power : 300W or more
- Terminals/ Sockets : 4 Pairs/4
- Safety: All necessary safety provisions like Over load, No load, Sudden change in load, power failure indication, Over Temperature and safe plugs and sockets
- Input Voltage: 230V \pm 10VAC, 50Hz

Other Requirements

- **Three Years** comprehensive warranty with 2 more years free AMC
- Prompt after sales service should be available
- Additional features/accessories, if any that can potentially increase the productivity of this instrument should be quoted as optional items.