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.
- 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 ±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.