

## **Specification of Vertical electrophoresis with compatible power supply and blotting module**

- Should include apparatus for molecular biology application viz., mini SDS PAGE unit capable for casting, running and blotting of two gel of size Gel size: 8.3x7.3cm or bigger OR 4 mini semi wet or wet blot simultaneously. should come with minimum 3 sets of rectangular and notched glass plates each, along with matching 1.0 mm, 10 well combs(2) and 1.0 mm thick set of spacers, two gel modules and safety lid with sheathed electrodes .
- Maximum samples – 18
- The gel module should be simultaneously a casting stand and an upper buffer chamber with integrated clamps to simply assemble the gel sandwich of plates and spacers, clamp it onto the upper buffer chamber, then pivot the sealing gasket and cast the gel. After polymerization, simply release the bottom seal and drop the assembly into the tank for running. No extra parts should be needed and no unclamping until the run is finished.
- Should also supply 1.0 mm comb and matching spacer set for 10 x 8 cm glass plate size.
- Should be supplied with compatible power supply with upto 300 Volts, 400 mA and 75 W or better, constant volt or current or power , automatic recovery after power failure ,two 4 mm output terminal , timer - I min to 24 hr continuous , safety features- Overload/short circuit protection, floating current,
- Automatic parameter limit crossover to prevent overheating and protect experiments & equipment.
- Should have end of alarm
- Should have digital display and membrane key board.

All the units should meet international safety certifications and safety norms. Price quoted should be FOR Thapar Institute of Engineering & Technology, Patiala.