

**Dr. Syed Ibrahim Rizvi**  
Professor



**Department of Biochemistry**  
University of Allahabad  
Allahabad - 211 002  
Mob. : 09415305910  
e-mail : sirizvi@gmail.com

---

**DEPARTMENT OF BIOCHEMISTRY**

Sealed quotations are invited for the supply of vertical electrophoresis system and western blotting system (as per specifications given below). All quotations must be marked "vertical electrophoresis system and western blotting system: UGC SAP Project-Biochemistry" and should be addressed to :

The Coordinator, UGC SAP Project, Department of Biochemistry, University of Allahabad, Allahabad 211002

Quotations must reach the Biochemistry department within 10 days of the upload of this query on the Allahabad University website.

Authorization letter from the company should be enclosed

Specifications for vertical electrophoresis system and western blotting system: Preferred makes: Biorad/Merck


**Vertical electrophoresis mini unit set:**

1. Including base gel running unit (buffer tank), safety lid, connecting leads, glass plates, casting frame, spacers and combs of various thickness etc.
2. Glass plates with dimension approximately within the range of 10x9cm (wxh) and the system should be able to run minimum of 2 gels at a time
3. System should have single gel adapter plate
4. The core design of system should facilitate easier assembly and leak proof casting of the gel
5. All accessories needed to make the unit fully functional must be included

**Power supply (Power pack):**

1. Power supply suitable for vertical (mini and standard) and horizontal gel electrophoresis, semi-dry and mini tank blotting.
2. Should have digital display with timer
3. It should have option to operate at constant voltage, constant current or constant power
4. Output Voltage: Adjustable from 10-300V
5. Output Current: up to 350 mA or more
6. It should have at least 4 output/ socket in parallel run and power cord
7. It should have all necessary safety provisions like over-load, no-load, sudden change in load, power failure indication, over temperature and safe plugs and sockets
8. Should be operational at Indian electricity standard i.e. Input Voltage: 230V±10V AC, 50Hz

Cont page 2

  
Coordinator  
SAP-DRS, Department of Biochemistry  
University of Allahabad

**Semi-dry western blotting (transfer) unit:**

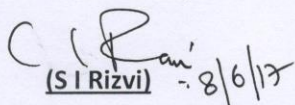
1. Unit should be capable of transferring protein and nucleic acids
2. Unit should be capable of fast transfer and with minimal buffer requirement
3. System should have a built-in power supply with automatic stopping feature.
4. Unit should be supplied with transfer cell, gel support and thick blot papers
5. Should be simple to handle and cover all the steps of immunodetection.
6. Should be able to process independently 2 blots (of standard size) simultaneously
7. With Vertical Electrophoresis and Transfer Apparatus with Power Supply

**Other Requirement:** All the above items i.e. vertical electrophoresis unit, power pac and semi-dry western blot unit should be provided with details user manual and **1 year minimum warranty.**

The full unit should be self sufficient for use/running

**Following spares should also be quoted (preferably provided gratis):**

1. One packet glass plates
2. Comb of various thickness (0.75mm, 1.0mm and 1.5mm)- max 10 pcs
3. One packet of thick blot paper required for transfer gel in semi-dry system
4. Gel tray

  
(S I Rizvi) - 8/6/17

Coordinator  
AP-DRS, Department of Biochemistry  
University of Allahabad