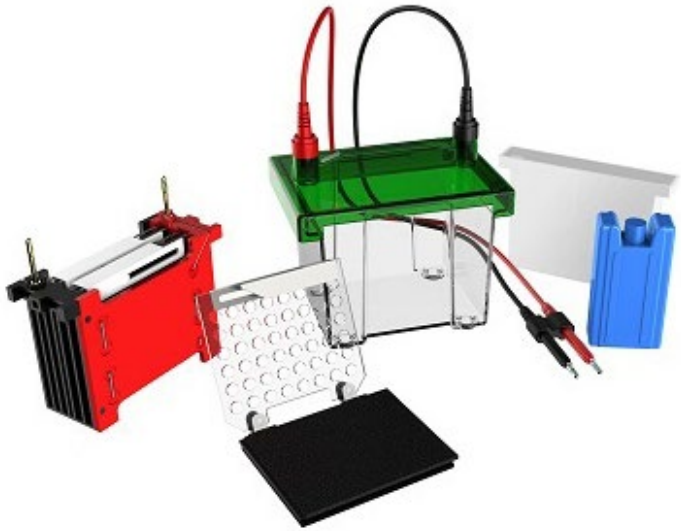
mini electrophoresis transfer and blotting cell for gel

Mini electrophoresis transfer and blotting cell is designed for rapid protein transfer from small gels, suitable for efficient transfer of proteins from gels to membranes in Western Blot experiments.

Mini Electrophoresis Transfer and Blotting Cell

The compact structure and high-quality materials of the mini electrophoresis transfer and blotting cell ensure a stable and fast transfer process, meeting the high standards of protein detection in modern laboratories.



Main Features

1. **Compact & Small:** Designed for mini gels, occupies minimal space; easy to operate and store.
2. **Strong Electric Field Design:** Electrode filament spacing of only 4 cm generates a high-intensity electric field for efficient protein migration.
3. **High Purity Platinum Electrode:** Made from 99.99% pure platinum, offering excellent conductivity and corrosion resistance for extended service life.

4. **Color Coding Assistance:** Transfer clip and electrode are clearly color-coded for easy, error-free installation and correct sample orientation.
5. **Built-in Ice Box Heat Dissipation:** Special ice box absorbs heat during transfer to protect protein structure and prevent overheating damage.

Advantages

1. **High Transfer Efficiency:** Compact design and pure materials ensure stable, strong electric field for complete protein transfer.
2. **Easy Operation:** Color marking aids installation and reduces operational errors, improving experiment success rate.
3. **Excellent Thermal Management:** Built-in ice box dissipates heat, protects protein, and maintains membrane transfer quality.
4. **Durable & Stable:** Platinum electrode offers corrosion resistance, low maintenance, and long life.
5. **Wide Application:** Suitable for various mini Western Blot gels, providing flexible solutions for experimental needs.

Working Principle

The cell applies an electric field via two platinum electrode wires, driving proteins from the gel to the transfer membrane. The 4 cm electrode spacing creates a uniform, high-intensity electric field for accelerated protein migration. The ice box, filled with ice cubes, absorbs heat generated during transfer, preventing protein denaturation and membrane damage, thereby ensuring efficient and quantitative protein transfer.

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Model	**EB20**
Number of electrophoresis gels	1 to 2 gels
Transfer area	110x90mm