

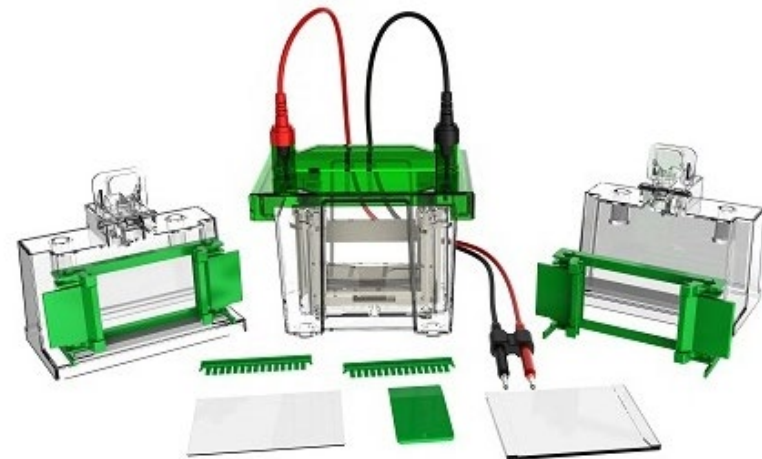
mini vertical electrophoresis cell with 2 gels 83x73mm

Mini vertical electrophoresis cell is a small, efficient gel electrophoresis equipment, widely used in molecular biology and protein analysis experiments, suitable for SDS-PAGE and nucleic acid vertical electrophoresis operation.

Mini vertical electrophoresis cell is made of high transparent engineering plastics by one-time molding, compact design, reasonable structure is suitable for teaching experiments, routine research and experimental environments with limited space.

Features of Mini Vertical Electrophoresis Cell

1. Highly transparent injection molding shell: the main body is made of high-strength polycarbonate material, which is injection molding, pressure-resistant, corrosion-resistant, impact-resistant, and easy to observe the electrophoresis process.
2. modern streamline shape: design style in line with international laboratory aesthetics, beautiful and practical, enhance the use of experience.
3. humanized operation structure: modular design, fast assembly, easy to start, suitable for novice and teaching use.



4. Glass gasket integrated design: effectively avoid glue leakage problems, improve the success rate of glue making and strip quality.
5. Flat plate instead of traditional concave plate: simple structure, not easy to break, economical and practical, low maintenance costs.
6. Specialized gluing bracket: more stable gluing, more intuitive operation process, effectively improve the repeatability.
7. high-quality platinum electrode system: the use of high-purity platinum wire, strong conductivity, excellent corrosion resistance, long service life.
8. safety power-off function: open the lid automatic power-off design, to prevent accidental contact with high-voltage electricity, to enhance the safety of use.
9. polarity limit design: the upper cover is equipped with a limit structure to prevent reverse electrode, to ensure experimental accuracy.
10. double glue synchronous operation: standard equipped with double plate groove, can run two pieces of glue plate at the same time, to improve the efficiency of the experiment and save time.

Working Principle

The basic principle of mini vertical electrophoresis cell is based on the migration of charged biological macromolecules, such as DNA, RNA or proteins in the opposite electrode direction under the action of electric field. The mini vertical electrophoresis cell constructs the electrophoresis channel by clamping two glass plates and injecting gel in the center. The electrodes are mounted in the upper and lower buffer cells. When connected to the power supply, the molecules migrate through the gel at different speeds and separate into different bands according to their size or charge differences.

The closed structure of the upper cover ensures the integrity of the current loop while preventing the spread of electrolysis gases and protecting the safety of experimental personnel. By using high purity platinum electrode, the electric field distribution is more uniform and the electrophoresis effect is more stable.

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Model	EV10
Gel size	83x73mm
Gel thickness	0.75mm, 1.0mm, or 1.5mm optional
Number of comb teeth	10 or 15 teeth