

Electrophoresis System

VE-180 Mini Vertical Gel Electrophoresis Cell

The VE-180 Mini Vertical Gel Electrophoresis Cell system simplifies the process of casting and running gels by eliminating tedious assembly procedures. Not only does it let you work with Ready Gel precast gels as well as hand-cast gels, it's quite simply the easiest-to-use system.

- Glass plates with permanently bonded spacer guarantee perfect alignment and leak free casting
- Glass spacer plates are thicker to reduce breakage
- Casting frames with simple cam closure provide precision alignment on any flat surface
- Plastic combs do not inhibit polymerization as Teflon combs do, and have a built-in ledge to eliminate air contact during polymerization
- Glass plates and combs are marked with thickness and number of wells for instant identification
- Self-governed casting stand allows access to and cast personal gels
- The spring-loaded lever design creates a tight seal against the soft rubber gasket
- Sample loading guides aid in sample application by preventing skipping of lanes
- You can run either Ready Gel precast gels or hand-cast gels in the VE-180 electrophoresis module
- The VE-180 electrophoresis module runs two gels at once, or one gel using the molded one-piece buffer dam
- VE-180 cell for running hand-cast or precast PAGE and SDS-PAGE gels
- The modular electrode assembly is compatible with the VE-186 Mini Blotting Electrophoresis Cell for western blotting



VE-180

Maximum Sample Volume per Well

Number of Well	0.75mm	1.0mm	1.5mm
10	22µl	44µl	66µl
15	20µl	26µl	40µl

Specifications

Gel size	8.3 × 7.3cm(W × L)
Glass plate size	
Short plate	10 × 7.3cm(W × L)
Spacer plate	10 × 8.3cm(W × L)
Typical upper buffer volume	120ml
Typical lower buffer volume	180ml
Typical run times for SDS-PAGE	45minutes

VE-186 Mini Blotting Electrophoresis Cell

The VE-186 Mini Blotting Gel Electrophoresis Cell module uses the same buffer tank as the VE-180 Mini vertical Gel Electrophoresis Cell. Two blots can be run in the unique molded module. The fragile platinum wire is protected in a recessed slot in the electrode assembly. The anode and cathode are 4 cm apart, which provides a high field strength for rapid one-hour transfers. The ice cooling unit dissipates heat generated during transfer. It also serves to reduce the amount of transfer buffer in the tank. With its modular design minimal buffer consumption and self-contained cooling, the VE-186 Mini Blotting Electrophoresis Cell is an efficient apparatus for obtaining quality blotting results.

The VE-186 Mini Blotting Electrophoresis Cell provides rapid, high-quality blotting of mini gels. Its modular electrode assembly transfers two 7.5×10 cm gels in just one hour. Cooling is provided by ice cooling unit, which absorbs heat generated during transfers.



VE-186

Specifications

Overall dimensions	16 × 12 × 18 cm
Maximum gel size	7.5 × 10 cm
Buffer requirements	450 ml
Gel capacity	2 × VE-180 gels