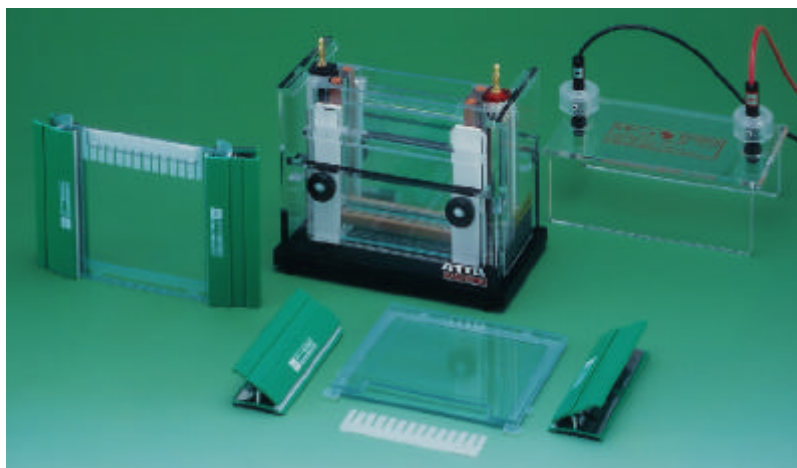


High Resolution Mini PAGE, with Simple Operation

AE-6450 Dual Mini Slab Kit

- **High resolution vertical mini PAGE for separation of protein & nucleic acid in 2 gels in compact 90 × 80 × 1 mm format**
- **Simplified routines ensure reliable separation with easy operation**
- **Smiling minimized with efficient heat dissipation for temperature uniformity through gels**
- **Unique mechanism providing ease of setting gels in chamber as well as avoiding buffer leak**
- **Proven simple leaf-free gel casting**
- **Offered in a convenient package, ready to cast & run two 1 mm thick gels with 12 sample wells**
- **Sturdy classic for long time usage**



Photograph: A gel cast assembled and stood; a set of gel cast components (U-shaped gasket put between a pair of glass plates); an electrophoresis chamber; a safety cover

“Atto AE-6450”. It is a classic, having been well used for years by thousands of researcher users worldwide. After it was introduced nearly 20 years ago, it still is preferred to many of new comers by professionals, in virtue of high reliability with simple operation as well as compact, functional design and neat workmanship.

The Atto AE-6450 Dual Mini Slab Kit features simplified routines of vertical PAGE for high resolution separation of protein or nucleic acid in two 9 × 8 cm gels with 1 mm thickness. A standard kit to readily cast and run two 1 mm thick gels with 12 sample wells is offered.

A gel is cast in a mold formed by a pair of 3 mm thick, 12 × 10.2 cm glass plates and a U-shaped silicone rubber gasket (named 1 mm Gasket) that is put between the glass plates to seal the sides and bottom of the mold. One of the glass plates (named Plain Glass Plate) is simply rectangular. Another glass plate (named 1 mm Glass Plate) has a pair of 1 mm thick, permanently bonded, glass side-spacers on it and a bevel notch at its top. A mold is clamped with a pair of magnetic spring clips. The specially designed clips tighten the glass plates in full length with right, even pressure for liquid-tight seal with spring force, and steadily stand the mold upright. A mold clamped and stood is ready to introduce gel solution and to put in a well-forming comb.

An electrophoresis chamber consists of a chamber with platinum electrodes, a safety cover with a pair of power input leads, and 2 pressure platens. The pressure platens feature a unique compression mechanism to hold gel-glass plate sandwiches in the chamber without the use of any screws or clamps. You only have to place a polymerized gel sandwich in a chamber and to insert a pressure platen between the gel sandwich and the wall of the chamber. The simple operation sets the sandwich securely in the chamber, while eliminating slippage of gel and leak of buffer, with the compression appliers that the platen incorporates. When 2 gel sandwiches have been set, an upper buffer trough is formed and tightly sealed with the even, right amount of pressure given by the platens.

The transparent chamber provides ease of access to sample wells and observation of separation. When gels are run, nearly entire areas of the glass plates are in contact with buffer, so that the Joule heat in gels is dissipated rapidly through the plates and the buffer, which act as a heat sink and distributes temperature uniformly over the gels. It affords relatively fast, high resolution separation, while minimizing the possibilities of smiling, distortion or diffusion of bands, without the requirement for cooling.

The chamber allows running 1 gel only or running the Atto precast gels, with the use of optional parts. The AE-6450 system also affords 2-D mini PAGE, with the addition of optional parts.

Quality and durability for constant use are guaranteed by years of experience in developing and producing a wide range of Atto electrophoresis apparatus.

Specifications

Gel size	: 90 mm wide × 80 mm long
Gel thickness	: 1 mm
Plate size	: 120 × 102 × 7 mm
Sample well	: 12 wells (standard) or optional wells
Gel accommodation	: Either 1 or 2 gels
Buffer volume	: 140 + 200 ml
Dimensions	: 16.3 × 9.5 × 14.7 cm (W×D×H) approx.
Net weight	: 0.9 kg approx.

Ordering Information:

Code	Description
2322222	AE-6450 Dual Mini Slab Kit 1 electrophoresis chamber incl. a safety cover with power leads and 2 pressure platens + 2 pairs of glass plate + 2 gaskets + 4 clips + 2 combs, ready to cast and run 2 1-mm thick, 12-well gels
2398230	1 mm Glass Plates 2/pk (notched, with 1 mm side-spacers)
2398232	Plain Glass Plates 2/pk (rectangular)
2398237	1 mm Gaskets 3/pk (U-shaped)
2398239	Clips 4/pk (2 required for 1 gel)
2398269	1 mm 12-well Combs 2/pk
2398247	7 mm Dummy Plate (for running 1 gel only)
2398237	2 mm Thickener Plate (for running an Atto precast gel)
2398398	Notched Glass Plate for 6 Rod Gels (for 2-D PAGE)
2398395	Comb for 6 Rod Gels (for 2-D PAGE)
For other spare and optional parts, ask for separate information.	