

## Electrophoresis Equipment

### Power Supplies

Versatile, compact units for molecular biology applications.

This Power Supply is designed for horizontal and vertical gel electrophoresis applications. Low intensity electro-blotting can also be accomplished. In this power supply model, output is controlled either by time, constant current or constant voltage. Four sets of output terminals allow four apparatus to be connected simultaneously. This power supply's light, compact and stackable design saves valuable bench space as well.



### Special Features

- 4 sets of output terminals
- Easy to control: Constant V/A with automatic crossover Monitor V/A/T while running, adjust V/A while running, Timer, Safety: no-load and over-load detection, sudden load change, short circuit, etc.
- Beep sound for every step, at finish and as warning
- Current Differential Alarm and Power Failure Detection
- Light, compact and stackable

### Applications

- Horizontal electrophoresis
- Vertical electrophoresis
- Western blotting (low intensity)
- DGGE/CDGE/TGGE

### Specifications

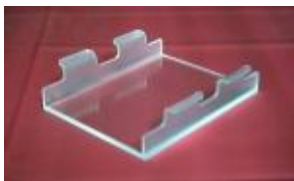
**Output:** 10-300V in 1v steps, 4-500mA in 1mA steps, 90W max

**Power Failure Detection with Automatic Restart**

**Weight:** 1.9kg

**PLEASE NOTE:** For our International Customers, a 220 Volt version of this item is available as catalog number 16023-220. The 16023-220 comes equipped with a "Continental Europe" plug.

### RELATED PRODUCTS



Mini Horizontal Gel Tray



Mini Horizontal Gel Caster



Mini Horizontal Gel System



**LIFE TECHNOLOGIES (INDIA) PVT. LTD.**  
*your molecular & cell technology partner*  
*Bringing zest to your research*



## Comb, Polycarbonate

**Single-sided combs used for well formation in agarose gels.**

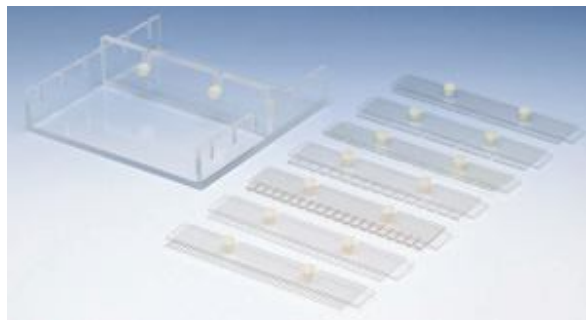
Combs made of polycarbonate material are single-sided and used for well formation in casting of agarose gels for electrophoresis.

Combs are available in a 1 mm thickness with 3, 8, 10 or 12 wells. Combs feature adjustable backing for height adjustment.

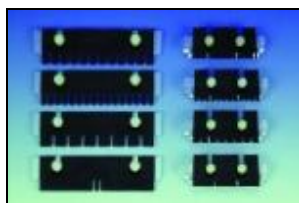
Polycarbonate combs can be used with Gel Casters and Gel Trays to pre-cast agarose gels with ease.

Polycarbonate combs are compatible with the Mini Horizontal Gel System.

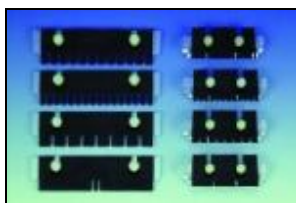
Dual-sided Polycarbonate Combs, Single-sided Teflon Combs and Dual-sided Teflon Combs are also available.



### Related Products



Comb, Teflon



Dual Comb, Teflon



Dual Comb, Polycarbonate

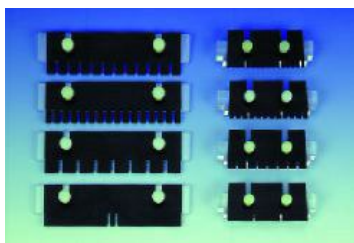
## Comb, Teflon

**Single-sided combs used for well formation in agarose gels.**

Combs made of teflon coated aluminum material are single-sided and used in well formation when casting agarose gels for electrophoresis. Teflon coated aluminum combs dissipate heat faster than plastic polycarbonate combs reducing "lost wells" due to incomplete cooling around tooth. Molten agarose cools more rapidly around teflon coated aluminum combs than plastic so that well and gel formation are complete at the same time. Teflon coated aluminum combs are recommended for use with low percentage agarose gels.

Combs are available in a 1 mm thickness with 3, 8, 10 or 12 wells. Combs feature adjustable backing for height adjustment.

Teflon combs can be used with Gel Casters and Gel Trays to pre-cast agarose gels with ease. Teflon combs are compatible with the Mini Horizontal Gel System. Dual-sided Teflon Combs, Single-sided Polycarbonate Combs and Dual-sided Polycarbonate Combs are also available.



Contact Us: **Life Technologies (India) Pvt. Ltd.** , 306, Agarwal City Mall, opposite M2K Pitampura , Delhi-110034 ( India) Tel # +91-11-4220-8000; 4220-8111; 4220-8222 Fax# +91-11-4220-8444, Mobile# +91-98105-21400, Email - [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com) Web: [www.lifetechindia.com](http://www.lifetechindia.com)



**LIFE TECHNOLOGIES (INDIA) PVT. LTD.**  
*your molecular & cell technology partner*  
*Bringing zest to your research*



## Dual Comb, Polycarbonate

**Dual-sided combs used for well formation in agarose gels.**

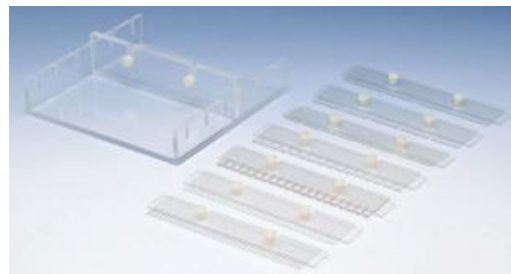
Combs made of polycarbonate material are dual-sided and used for well formation in casting of agarose gels for electrophoresis.

Combs are available in 1 mm or 2 mm thicknesses with 8 well/16 well and 10 well/14 well formats. Combs feature adjustable backing for height adjustment.

Polycarbonate combs can be used with Gel Casters and Gel Trays to pre-cast agarose gels with ease.

Polycarbonate combs are compatible with the Mini Horizontal Gel System.

Single-sided Polycarbonate Combs, Single-sided Teflon Combs and Dual-sided Teflon Combs are also available.



## Dual Comb, Teflon

**Dual-sided combs used for well formation in agarose gels.**

Combs made of teflon coated aluminum material are dual-sided and used for well formation in casting of agarose gels for electrophoresis.

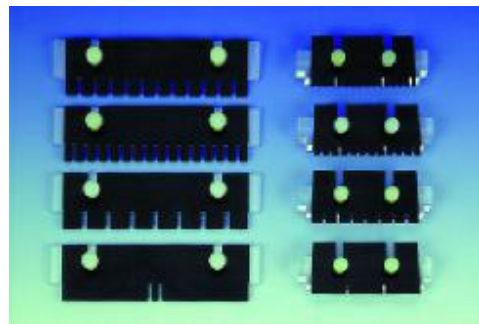
Teflon coated aluminum combs dissipate heat faster than plastic polycarbonate combs reducing "lost wells" due to incomplete cooling around tooth. Molten agarose cools more rapidly around teflon coated aluminum combs than plastic so that well and gel formation are complete at the same time. Teflon coated aluminum combs are recommended for use with low percentage agarose gels.

Combs are available in 1 mm or 2 mm thicknesses with 8 well/16 well and 10 well/14 well formats. Combs feature adjustable backing for height adjustment.

Teflon combs can be used with Gel Casters and Gel Trays to pre-cast agarose gels with ease.

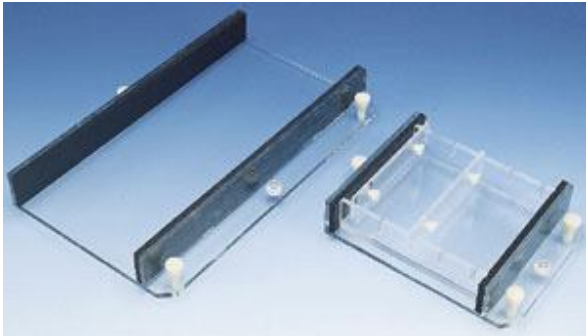
Teflon combs are compatible with the Mini Horizontal Gel System.

Single-sided Teflon Combs, Single-sided Polycarbonate Combs and Dual-sided Polycarbonate Combs are also available.



## Mini Horizontal Gel Caster

Accessory for pre-casting agarose gels.



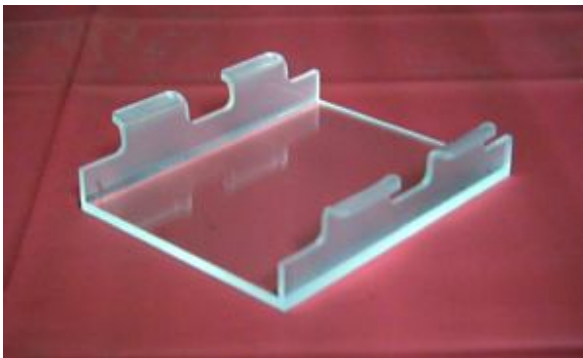
The Mini Horizontal Gel Caster is designed to pre-cast your agarose gels for future use in an easy-to-use and easy-to-store fashion and is compatible with the Mini Horizontal Gel System. These support trays have leveling bases and are lined on both sides with soft, coated neoprene to provide firm yet supple support for casting gels without leakage. Gel casting support trays are available for casting 1 or 3 mini-horizontal gels at a time.

Gel Trays used in Gel Casters are sold separately.

Gel Casters are compatible with the Mini Horizontal Gel System. Produced specifically for use in nucleic acid research.

## Mini Horizontal Gel Tray

Accessory for holding agarose gel during electrophoresis.



The Mini Horizontal Gel Tray is designed to hold an agarose gel in place during electrophoresis.

The Gel Tray is made from UV transparent acrylic. This allows agarose gels to be scanned at 275nm - 325nm without removing them from the unit.

Gel Trays can be used with Gel Casters to pre-cast agarose gels with ease.

Gel Trays are compatible with the Mini Horizontal Gel System.



LIFE TECHNOLOGIES (INDIA) PVT. LTD.

*your molecular & cell technology partner*

*Bringing zest to your research*



## Mini Horizontal Gel System

Compact system for separation and identification of nucleic acids.

### Features

- ✦ Machine tapered baffles adjacent to either end of the bed permit quick and easy pouring of an agarose submarine gel. Slide both baffles into grooves next to gel bed and pour gel solution into place. After gel has solidified, simply slide the gates out of the slots and store in spaces conveniently located at either end of the unit for later use. Gels also can be cast in the unit on the accessory UV transparent gel tray. To precast gels in a Gel Tray use Gel Casters or tape ends of tray.
- ✦ Platinum electrode is sealed in side wall, shielding it from the buffer as it descends to bottom of unit, and is only exposed along the base of the reservoir on both sides. This helps to protect the platinum and provides a uniform field across the width of the gel.
- ✦ Precision-machined combs can be adjusted to desired height above the gel bed.
- ✦ Gel beds are made from UV transparent acrylic, allowing gels to be scanned at 275 nm – 325 nm without removing them from units.



The Mini Horizontal Gel System provides a compact format to rapidly separate and identify RNA and DNA fragments, PCR products and synthetic oligonucleotides, while using minimal quantities of expensive reagents.

The Mini Horizontal Unit has gel bed dimensions of 7.5 cm x 10.0 cm. The gel bed is UV transparent. Adjustable height Combs are offered in several thicknesses and formats to accommodate a wide variety of experimental applications. Safety covers come with interlocking power leads and can be easily removed using push-pins. UV transparent Gel Trays are available as an accessory.

There are two options for gel casting:

1. The tapered baffle system allows gel casting directly into the unit or removable gel trays without having to seal with agarose plugs or tape.
2. Mini Horizontal Gel Casters can cast 1 or 3 gels simultaneously.