

<Specifications>

| ■ Electrophoresis Cell | |
|---|---|
| Overall dimensions | 183mm(W)x59mm(H)x162mm(L) |
| Material | PPHOX |
| Solution volume | Approx. 270-320 ml (includes gel tray and gel) |
| Multi-sample | Multi-channel pipette compatible |
| ■ Safety Lid | |
| Overall dimensions | 197mm(W)x38mm(H)x170mm(L) |
| Safety interlock system | Without the lid, main power can not be operated. |
| ■ Power Supply | |
| Overall dimensions | 75mm(W) x 62mm(H) x 170mm(L) |
| Weight | 410g |
| Input voltage | AC100-240V (Internationally compatible), 50/60 Hz |
| Output voltage | 135V 100V 50V 25V 70V 35V 18V Constant peak voltage of 140V and duty control |
| Timer | Can be set between 0 and 99 min. and continuous mode. Temporary shutdown supported |
| Memory function | Automatic memory (the last used V & T) |
| ■ One-Gel Trays | |
| Overall dimensions of small gel tray | 130mm(W) x 16.5mm(H) x 59.5mm(L) |
| Overall dimensions of large gel tray | 130mm(W) x 24mm(H) x 122mm(L) |
| Quantity | 2 small gel trays; 1 large gel tray |
| Material | Heat Resistance Materials(Around 100°C of Agarose available) |
| ■ One-Comb-HR | |
| Multiple number of wells | 13 - 26 wells (13wells: 9mm spacing, 26wells: 4.5mm spacing) |
| Quantity | 4 (supports making 13 or 26 wells) |
| Material | Heat Resistance Materials(Around 100°C of Agarose available) |
| ■ One-Gel Casting Stand-HR | |
| Makes 2 small gel trays or 1 large gel tray | |
| Overall dimensions | 140mm(W) x 20mm(H) x 125mm(L) |
| Material | Heat Resistance Materials(Around 100°C of Agarose available) |

● This product is subject to change without notice. ● "Mupid" is a registered trademark of ADVANCE Co., LTD.



IMPORTANT

To ensure safety, make sure you have thoroughly read the instruction Manual before use.

Mupid[®]-One



Multi Function Power Supply



- Timer Function
- 7 Kinds Of Output Voltages
- Simple Operation
- Global Input Voltage
- Storage Of Set Values



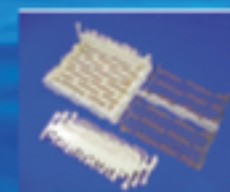
Multichannel Pipette Compatible



2 size trays are standard accessories and multi-sample can be applied into Large size gel.



Heat Resistant Gel Casting Units



Materials of Standard Gel Casting Set is heat resistant type and 100°C Gel can be poured into this.

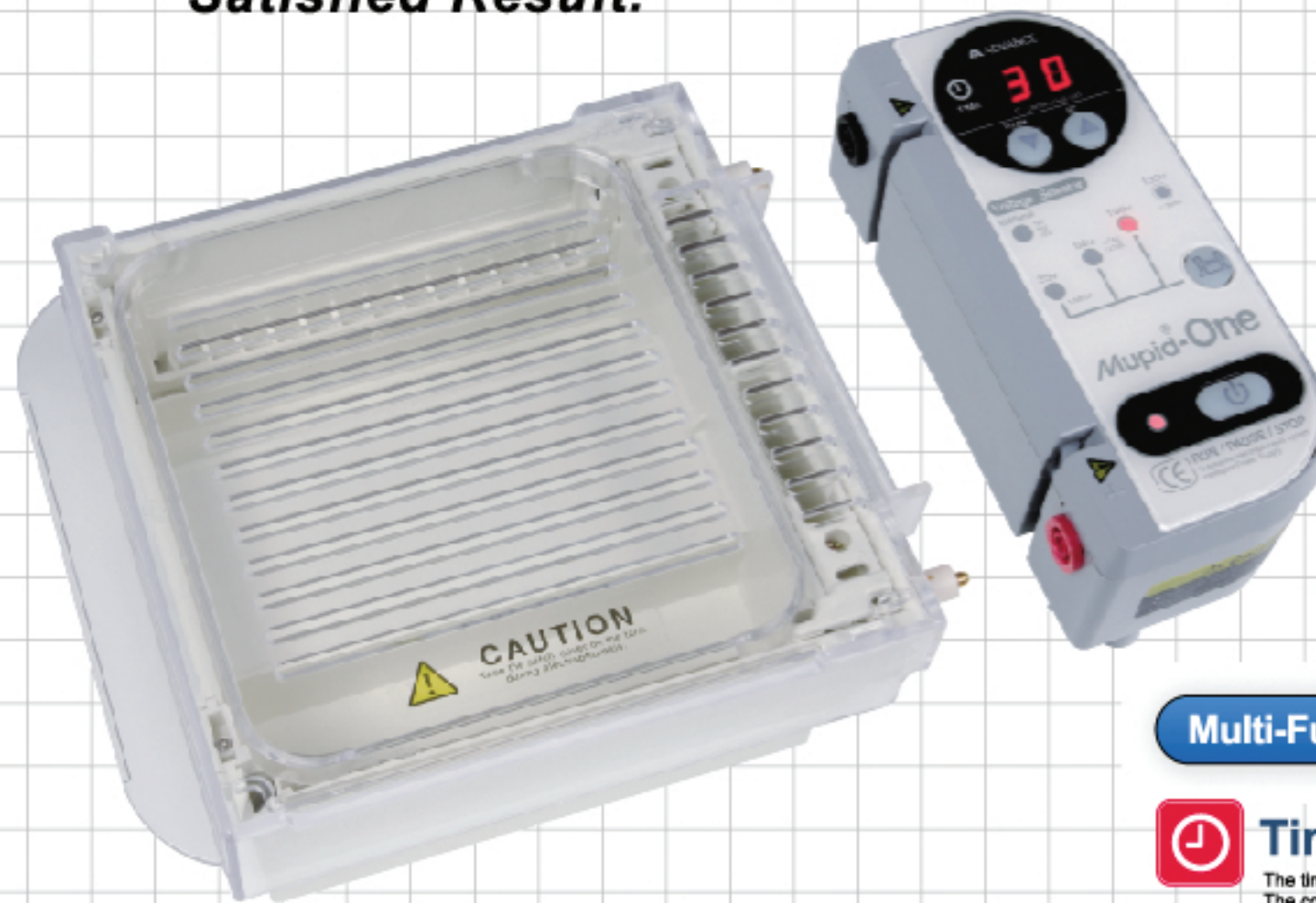


Easy Handling Cell



The separated from power supply and the drain system make easy handling.

**Easy Operation,
Functional Design,
Satisfied Result.**



Heat Resistant Gel Casting Set



Heat-Resistant Materials

1. Gel solution up to 100°C can be poured into the Gel Tray. This makes gel casting time shorter.
2. Clean up the used Gel tray easily by boiling water.



Multichannel-pipette Compatible

Comb teeth pitch matches the multichannel-pipette, and *multi-sample applicable.
*The large gel tray can make up to 4 rows of wells (running length of 2.7 cm), so can handle up to **104 samples** (26 x 4=104)

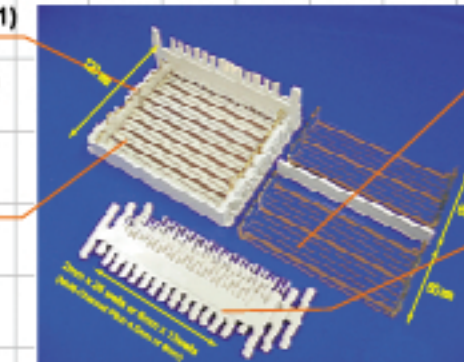
< Components >

One-Gel Casting Stand-HR(1)

Many combs setting grooves are provided in the stand. Supports a max. of 4 combs per gel with easy position change.

One-Gel Tray-L-HR(1)

It can make up to 4 rows of wells (running length of 2.7 cm), so can handle up to **104 samples** (26 x 4=104).



One-Gel Tray-S-HR(2) And Center Partition(1)

It can make up a gel for running 26 or 13 samples. Install at the center of Gel Casting Stand for using the Gel tray-S.

One-Comb-HR(4)

4 pieces of comb can be used for L tray. 1 piece of comb can be used for S tray.

Multi-Function Power Supply



Timer Function

The timer can be user-set from 1 to 99 minutes (Includes alarm). The continuous and pause modes are available.



Voltage Variation Range

135V 100V 50V 25V 70V 35V 18V

7 kinds of output voltages are available. Peak voltage is constant (140V) and output level changes through pulse control. See the waveform in the right.



Very Simple Operation

Operations are very simple, pushing "Timer", "Voltage Selector", "Run/Pause/Stop" buttons.



Current Regulation

Rather than performing a forced shutdown when peak current is exceeded the Mupid-one controls the voltage so that it can maintain the current at or below peak value for continuous operation.



Storage Of Set Values

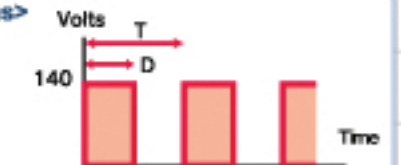
Set voltage and timer values used in the last experiment are automatically retained in memory (supports pausing).



Global Input Voltage Compatibility

Variable input voltage of 100 to 240 V supports use virtually anywhere in the world. Individual country power supply cable may differ.

<Waveforms>



| Selected (V) | 135 | 100 | 70 | 50 | 35 | 25 | 18 |
|--------------|-----|-----|----|----|----|----|----|
| D/T (%) | 97 | 72 | 50 | 36 | 25 | 18 | 12 |

* Constant 140V peak voltage for any output voltage
* Movement stability improved over the conventional Mupid.

Easy And Safety Handling Cell



Buffer Drains

Buffer drains are at two corners so that buffer can drain away easily.



Washable

The Electrophoresis cell can be separated from the power supply and is washable.



Interlock System

For prevention of electric shock, main power can not be operated without the lid, and an error sign is shown on timer panel.

