

# Mupid™-ONE Electrophoresis System

*functional design and easy handling*



Fig. 1: The MUPID™ One Electrophoresis System

## What makes this system so popular?

The Mupid™ - One gel trays are heat resistant:

By using a novel polymeric material (PPHOX), gel solution up to 100°C can be poured into the tray without getting milky or brittle. The clean up of the used gel trays can be performed with boiling water.

## What makes this system so safe?

For prevention of an electric shock, the system is running only if both parts (chamber and power controller) are connected and if the lid is closed! With an open lid the main power can't be switched on.

## The Mupid™ - One comes with many accessories:

Gel casting set (Cat.No. ON-MS) including 4 combs. The combs can be used from both sides (13 wells and 26 wells). Two gel trays small (S) for the preparation of mini gels with one comb (13 or 26 samples) One gel tray large (L) for the usage of up to 4 combs (up to 26 x 4 samples). The maximum length of separation for the use of 4 combs is 2.7 cm.

*All accessories are included - no extra costs*

## What makes this system so convenient?

The Mupid™ - One ist „multi-sample“ suitable:

The included combs are multi channel pipette compatible.

Easy disposal of the running buffer:

Buffer drains on two corners allow the easy removal of dangerous buffers solutions.

## What makes this system so easy to use?

The power controller can be disconnected easily. Therefore the chamber is safe and easy to clean up. The power controller is easy to use. Seven conventional voltages (18 V, 25 V, 35 V, 50 V, 70 V, 100 V and 135 V) are available. Peak voltage is constant (140 V) and output level changes through pulse control. A timer including an alarm function is included. All parameters of the last run are memorized and automatically saved.

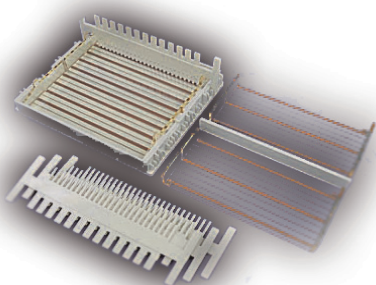


Fig. 2: Gel casting set ON-MS, included with the MUPID™ One

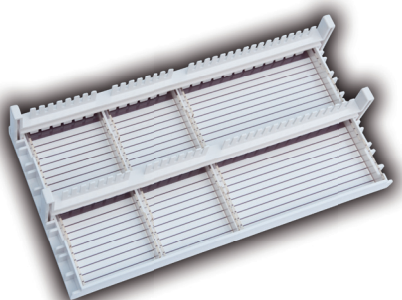


Fig. 3: Gel casting set GM-HR, available as a separate item



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# Mupid™-ONE LED Illuminator

## DNA/RNA electrophoresis under „real time“ conditions

Now you can follow the separation of your DNA fragments „live“ in agarose gel electrophoresis

The MUPID™ One LED Illuminator was developed especially for the MUPID™ electrophoresis system and allows the detection of DNA fragments during the run. The electrophoresis can be continued because the LED illuminator, as shown above, can replace the lid of the MUPID™ chamber. The orange coloured filter allows to check the results without wearing goggles. The LED source inside the instrument produces light with a narrow emission peak at approximately 470 nm, effective for the excitation of nucleic acid stains such as Midori Green (see page 36) and SYBR® dyes. The viewing area is coated in order to avoid the formation of moisture. The separated DNA is not damaged by the light emitted by LEDs, because it contains no short-wave UV light. Sensitivity limit is 2 ng DNA. The MUPID™ One LED Illuminator is compatible ONLY with the MUPID™ electrophoresis system.



Fig. 1-4: LED's of the MUPID™ One LED Illuminator. The MUPID™ One LED Illuminator replaces the lid of the MUPID™ One electrophoresis chamber.

### Specification

Size	166 x 170 x 51 mm
Viewing area	150 x 60 mm
Weight	0.9 kg
LED wave length	470 nm
Filter	orange
Compatible to	MUPID™ One, Mupid™ exU and Mupid™ ACE
Sensitivity	~ 2 ng DNA

### Ordering Information

Cat.No.:	Product	Content
MU2	MUPID™ - One	Mupid™ - One electrophoresis system with 1x gel chamber, 1x power controller, 1x gel casting set, 4x combs, 2x gel trays S, 1x gel tray L
MU4	MUPID™ One LED Illuminator	MUPID™ One LED Illuminator

#### Accessories for the MUPID™ One

GM-HR	Gel casting set large	1x Mupid™ - One gel casting set, 2x combs, 4x gel trays S, 2x gel trays L
ON-MS	Gel casting set standard	1x Mupid™ - One gel casting set, 4x combs, 2x gel trays S, 1x gel trays L
ON-GL	Large gel trays	2 gel trays L for the Mupid™ - One electrophoresis system
ON-GS	Small gel trays	2 gel trays S for the Mupid™ - One electrophoresis system
ON-SD	Gel casting stand	1 gel casting stand for the Mupid™ - One electrophoresis system
ON-C1	Gel combs	2 combs for the Mupid™ - One electrophoresis system
RT-172B	Large black gel trays	Large black gel trays for the Mupid™ - One (1)



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