

SMARTVIEWER *for Mupid®*

Instruction Manual

Catalog Number MU-0101

Version 01

Important Notice

Please, read the installation instruction carefully before installing the SmartViewer.

The SmartViewer is a LED illuminator intended for research use only. It must be operated only by qualified personnel aware of the potential health risks related to blue light irradiation and chemical and biological agents normally used in association with this device. Long-term exposure to blue light irradiation increases risk of retina diseases. The amber filter provides blue light protection for the end user.

Installation

Carefully unpack the SmartViewer as follow:


1. Remove the bubble padded plastic sheet from the top.
2. Remove the illuminator from its support and place it on a stable, horizontal surface.
3. Remove the plastic protection film from the transparent viewing surface.

Stand-alone installation


1. Keep at least 10 cm of space all around to ensure a good ventilation.
2. Use the supplied cable to connect the SmartViewer to the power. The power font must be able to deliver at least 250 VA with a voltage between 100 and 240 Vac. The plug must have a ground connection. The adaptor supplies 24 V DC voltage.

General Precautions

- Plug the SmartViewer on an electric line with ground connection.
- The SmartViewer is equipped with a thermal protection to prevent overheating.
- Place the illuminator to prevent harm to nearby operators.
- Do not pour liquids directly on the illuminator.
- Push on the button to switch on/off the Led Lighting.

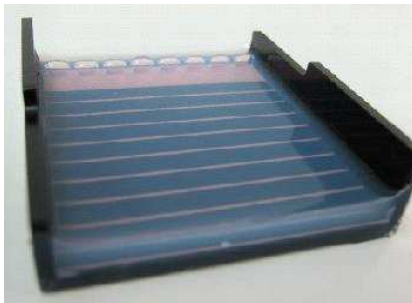
 Continuous or frequent LED lighting during electrophoresis of gels may decay the DNA fluorescence intensity.

- Switch off the instrument immediately after its use.

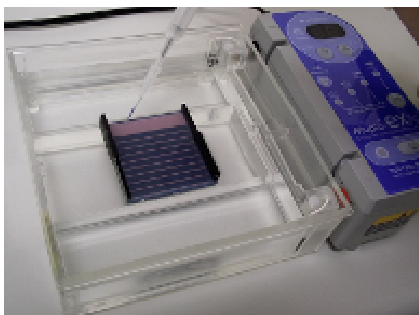
 Please unplug the SmartViewer after each use to stop the ventilation system.

Using the SmartViewer

Step 1: Use a black gel tray (included) to prepare a gel with loading wells



Step 2: Place the gel with gel tray in the Mupid® tank and perform loadings



Step 3: Place the SmartViewer on the Mupid® tank



Step 4: Make sure that the 2 lateral hooks of the SmartViewer press correctly the power safety buttons of the Mupid®



Step 5: Connect the device with the supplied cable to the electricity



Step 6: Push the ON/OFF button of the SmartViewer for real-time fluorescence observation



⚠ Continuous or frequent LED lighting during electrophoresis of gels may decay the DNA fluorescence intensity.

Step 7: At the end of the migration, turn off the Mupid®, unplug and remove the SmartViewer

Specifications

- Dimensions (mm): 166D x 183W x 51H
- Viewing surface (mm): 150 x 60
- LED wavelength (nm): 470
- Filter: amber filter
- Filter surface: Anti-fog treatment
- PCBA surface: Anti-moisture treatment
- LED arrangements: LED matrix for two-side illumination
- LED lifetime: 50,000 hours
- Power AC input: 100~240 V; 50/60 Hz power source ; Adaptor output: 24V DC / 1 A
- Sensitivity (ng): 2
- Compatibility: with *Mupid® exU*, *ACE*, and *ONE* electrophoresis tanks
- Weight (Kg): 0.96

Warranty

The SmartViewer is warranted against defects in materials for 2 years. If any defects occur in the instrument or accessories during this warranty period, Eurogentec will repair or replace the defective parts without any charge. The following defects, however, are specifically excluded:

1. Defects caused by improper operation.
2. Repair or modification done by anyone else than Eurogentec or an authorized agent.
3. Damage caused by substituting alternative parts.
4. Use of fittings or spare parts supplied by anyone else than Eurogentec.
5. Damage caused by accident or misuse.
6. Damage caused by disaster.
7. Corrosion caused by improper solvent or sample.

For any inquiry or request for repair service, please contact our technical support at: **customer.care@eurogentec.com**

Regulatory Notice

The SmartViewer is designed and certified to meet safety standards and EMC regulations. Certified products are safe to use when operated in accordance with the instruction manual. This instrument should not be modified or altered in any way. Alteration of this instrument will:

1. Void the manufacturer's warranty
2. Void the safety and EMC certification
3. Create a potential safety hazard

Eurogentec is not responsible for any injury or damage caused by the use of this instrument for purposes other than those for which it is intended, or by modifications of the instrument not performed by Eurogentec or an authorized agent.

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