

شرایط محیطی مورد نیاز برای نصب دستگاه Gel Documentation System

Installation and maintenance information

General information and preparation

1.1 Scope of delivery

At the beginning, please check the contents according to the delivery note enclosed:

- Control unit of basic system
- Camera with objective, close-up lens and filter
- Control wire to connect camera and control unit
- Transilluminator e.g. UVT-20SLM
- Dark hood e.g.
- Test gel for fluorescence
- 2 power cords

1.2 Preparation for system setup

Completely unpack and unwrap all single elements. It is recommended to place them directly on a stable surface.

Add the control wire and the power cords to the corresponding components.

1.3 Setup of dark hood and transilluminator

Place the transilluminator UVT-20SL with the front showing to you on the working surface. Make sure that the transilluminator is switched off (switch at the bottom of the front side).

Now, place the dark hood on the transilluminator. The sliding door of the dark hood must be directed to you.

Connect the dark hood and the transilluminator each with a power cord. The outlets of the components are at the backside. Please check again the connections before switch-on.

1.4 Setup of basic system

Please carry out the instructions mentioned below very accurately and conscientiously as it mainly concerns damageable and optical elements.

1. Screw the objective on the camera. Please pay attention as it concerns a fine thread.
2. Screw the close-up lens on the objective.
3. Screw the filter according your application on the close-up lens.
4. Connect the connector of the monitor with the respective connector of the camera
6. Fix the camera with the screw included to the camera angle of the dark hood. The respective holes are adapted to the diameter of filter and objective.
7. Connect the power of camera power supply with respective connector of the camera.

Now, the system is ready for operation and can be used to expose gels. At the beginning it is recommended to work with a test gel included in the commodity.

2. Details on safe handling of Gel documentation system

2.1 Important safety instructions

2.1.1 Important details on system voltage

1. Only connect components that are stated the correct voltage at the back with the system voltage!
2. Make sure that the transilluminator is switched off during absence!
3. Unplug the components before repair and maintenance services!
4. Make sure that all parts that might be touched have cooled down!

2.1.2 Important details on UV protection

It is very important to care for appropriate protection of skin and eyes when working with transilluminators. Therefore, please use UV protection glasses or a UV full face protection shield. Please use long-sleeved cloths as well as appropriate gloves!



Caution, Ultra-Violet Radiation!



Protect your eyes!

2.2 Maintenance

Periodic cleaning ensures constant, high-quality exposures. How often your transilluminator has to be cleaned depends on various factors e.g. frequency of use and ambient conditions. We recommend cleaning routinely at regular intervals.

Before cleaning unplug all components from the system voltage.

The cabinets of the single components can be cleaned with a damp cloth. If the cabinet is very contaminated the cloth may also be damped with alcohol.

It is also recommended to clean carefully the cover as well as the filter glass plate with a damp cloth. Please make sure that they are not cleaned with scouring or corrosive detergents as they are damaging the filter glass as well as acetone, benzine and carbon tetrachloride. Also avoid the use of isopropyl alcohol as it could cause stripes on the glass. We recommend a cleaning with alcohol or glass cleaner.

All components of the system must not be dipped into water!

Important hint of use:

Do not deposit objects with sharp edges on the filter glass plate of the transilluminator. They might damage the transilluminator and / or cause inhomogeneous exposures. Before depositing an object on the filter glass plate make sure that it is free of not hardened, humid paste and other aggressive substances that might get on the filter glass plate.