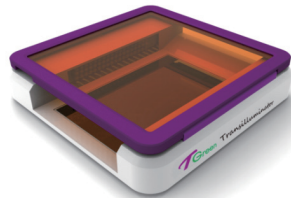


Version no.: OS181025

TGreen Transilluminator User's Manual



Cat. No.	Product Name
OSE-470	TGreen Transilluminator

Product Description

The TGreen transilluminator is for scientific research use only. This instrument is only for professionals who's familiar with LED blue light irradiation and its supporting reagents. The amber filter of the instrument can provide blue light protection. Please do not look at blue light directly for a long time to avoid retinal damage. The design is used to protect the personnel who are operating the instrument.

Quality Assurance

The warranty period of TGreen Transilluminator is one year. Damage caused by improper operation or unauthorized modification with accessories or spare parts not provided by TIANGEN is not covered by the warranty. The warranty does not cover damage caused by normal loss, radioactive contamination or improper cleaning. Fuse wire is not covered by warranty.

Important Notes

Please read the user's manual carefully before using TGreen Transilluminator. The instrument is mainly used for clinical and laboratory observation of dye containing nucleic acids and proteins in gel, and can only be operated by professionals. The amber filter provides a certain blue light protection. It is designed to protect people operating the instrument while clearly observe nucleic acids and proteins in dyeing gels.

Product Specification

- Dimension (mm): 210 L x 210 W x 30 H
- Viewing surface: 120 x 70 (mm)
- Wavelength: 470 (nm)
- Amber filter: the amber filter is wrapped in a metal frame
- LED arrangement: the matrix provides double-sided lighting
- LED lifetime: 50000 (h)
- Power: 24V DC, 2.5 A power adapter
- Maximum adapted gel size: 110 x 60 (mm).
- Weight: 2.3 (kg)

Instrument Installation

Carefully open the package and the shield of the TGreen Transilluminator as follows:

1. First remove the top foam.
2. Remove the instrument from two foam shell and put it on the stable level.
3. Remove the plastic protective film from the transparent glass viewing surface and amber filter.

Installation and Use

The instrument must be placed on the workbench, and there shall not be obstacles within 10 cm around the instrument to keep ventilation.

Connect the instrument to the power supply, and the adapter provides 24V DC voltage.

Precautions

- Do not pour liquid directly on the instrument.
- Do not block vents.
- Power off immediately after use.
- Place in proper area to prevent injury to the operator.
- The sample surface of the TGreen Transilluminator is a glass plate for cutting gels. After use, use bleach or industrial alcohol to clean the surface of the TGreen Transilluminator.
- TGreen Transilluminator is equipped with thermal protection to prevent overheating
- Always wear disposable gloves during operation.

Usage of the Instrument

Put gel/sample in the transparent glass support. It is suggested to wear gloves to prevent skin from contacting gel and dye directly. Turn on the switch, and the LED light in the unit starts to light on the glass support. Turn off the power after viewing the sample or cutting the gel.

TIANGEN BIOTECH(BEIJING) CO.LTD

Address: Building C7-3, Zhongguancun Dongsheng Science Park, NO.66 Xi Xiaokou Road, Haidian District, Beijing, China

Post Code: 100192

Order: 010-59822688

Fax: 010-59822788

Toll-free: 800-990-6057, 400-810-6057

E-mail: export@tiangen.com

Website: www.tiagen.com/en