OPERATING MANUAL

LABSTAC

UV TRANSILLUMINATOR

GEL12-365

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1. Introduction

GEL12-365 UV Transilluminator is mainly used to observe the results of nucleic acid (DNA/RNA) gel electrophoresis and gel cutting operation.It can be widely used in scientific research institutions and enterprises in the fields of molecular biology, molecular genetics, medicine and health, biological products, agriculture and other research institutes and enterprises in the field of life science research.

2. Features

2.1 Features

• Humanized design of the whole machine, the UV protection board can be stepless adjust at any Angle and positioning, to ensure the best protection of ultraviolet light, and does not affect the observation.
• Compact sealing structure design ensures that the cutting operation and the cleaning and cutting platform are free of leakage, which greatly reduces the possibility of gel contamination and internal damage caused by leakage, and greatly improves the service life of the ultraviolet cutting instrument.
• The special UV filter glass has good permeability to specific wavelength UV, which can ensure higher detection sensitivity and enhance the signal capture capability of the weak band.
• Reasonable structural design and high-quality UV lamp ensure uniform UV light intensity in the detection area of the UV transmission table.
• Compact shape, easy operation and sealed structure make the maintenance of the instrument simpler. Self-contained fan cooling device, extend the service life of the machine.
• Single wavelength standard 302nm UV lamp, and 254nm/365nm multiple wavelengths or combinations can be selected to match the gel observation of different dyes. Users can choose UV lamps with different wavelengths according to the experiment need.

2.2The main technical parameters

Model	GEL12-365
Transmission wavelength	302nm,254nm,365nm Optional (Standard 302nm)
Transmission filter size	197 x 147 mm
Input power	AC 220V 50Hz
Lamp life	＞1500 hours
power	8Wx6
Dimensions	W.335 x D.280 x H.137mm
Net weight	5.4kgs

Table 1

3. Basic Operating instructions

3.1 Structure description

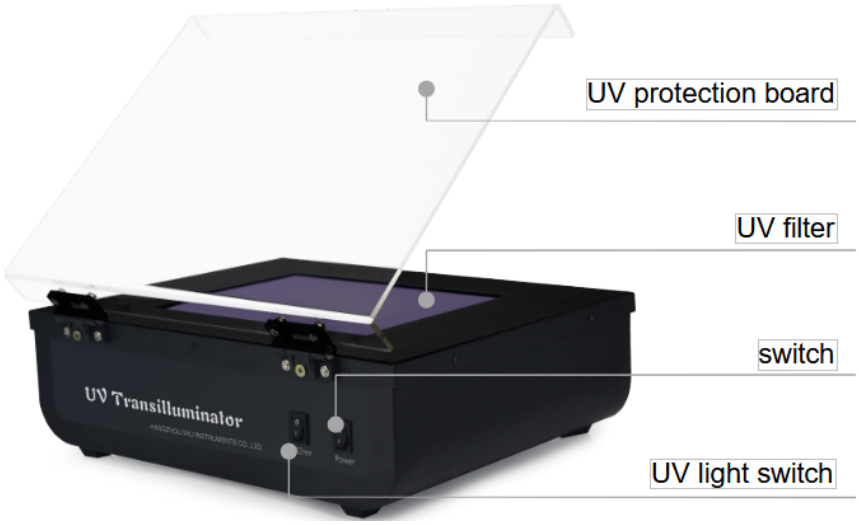

Figure 1

3.2 Basic operation

Carefully open the UV transilluminator package and foam protective package according to the following procedures:
1. First open the carton packaging and take out the foam packaging and the instrument as a whole;
2. Remove the UV transilluminator from two foam shells and place it on a stable level surface;
3. Remove the wadding that is sandwiched between the UV shield and the instrument's glue cutting platform.

3.3 Use of UV transilluminator

Place the gel/sample in the UV-transmissive glass area.
It is recommended to wear gloves to prevent direct skin contact with the gel and dyes. Turn on the switch and the UV lamp inside the instrument begins to glow on the glass support. After observation sample or cutting the strip, turn off the UV transilluminator.

4. Important Note

1. Important safety operation information
The user needs a complete understanding of how the instrument will work before operating the instrument safely. Before operating the instrument, please read this manual carefully.

2. Safety tips
The instrument must be placed on a workbench with 10 cm of space around it to avoid obstructions that can impede ventilation. Connect the instrument to a power source.
◦ This instrument is metal structured and the 220V power supply used should have a good grounding wire.
◦ The instrument should be placed in a clean, dry, ventilated and non-corrosive location.
◦ The UV glass of the instrument is a movable drawer type. Please pay attention when using it.
◦ It is strictly forbidden to use metal and other hard objects to directly contact the ultraviolet glass.
◦ After use, please clean the UV glass with anhydrous ethanol in time.
◦ Do not operate the charger plug with wet hands.
◦ Do not look directly at the uv filter glass after opening the instrument to avoid uv radiation.
◦ Damage to the eyes. For safe use, please observe through the UV protection window.

3. After-sales
(1) Warranty Description
Within one month of delivery, the company is responsible of exchange for breakdown caused by material or manufacture.
Within 12 months of delivery, the company is responsible of free repair for breakdown caused by material or manufacture. Proven with defect under warranty, the company will exchange the instrument or free repair it alternatively.
(2) Warranty Coverage
Breakdown due to improper use, operation in inappropriate conditions, maintain or refitting without authorization are not in warranty coverage.
Repair after warranty will be charged reasonable cost.

Annex A GEL12-365 UV transilluminator Packing List

No.	Name	Type	QTY	Remarks
1	UV transilluminator	GEL12-365	1	
2	power line		1	
3	Performance Test Statement		1	
4	Operation Manual		1	
5	Warranty Card		1	
Charger: (Sign/Stamp)			Packing Date:	

Table 2

Annex B GEL12-365 UV transilluminator Performance Test Statement

Name	UV transilluminator	Type	GEL12-365
Test Date		Production No.	

No.	Test Content	Detection method	Standard requirement	Test Results
1	Basic Function	Visual inspection	Valid	□Qualified
2	Appearance Demand	Visual inspection	Valid	□Qualified
3	Appearance Sign	Visual inspection	Valid	□Qualified
4	Continuous Work Test	Experimental operation	72 hours without failure	□Qualified

Test Result:	
Tester：	Confirmer：

Table 3

Annex C GEL12-365 UV transilluminator Warranty Card

Product name	UV transilluminator
Type	GEL12-365
Serial number	
Date of purchase	
Buyer Company	
Buyer Name	
Address	
Telephone	
Fax	
Zip Code	
E-mail	

Table 4

Warranty Description

Within one month of delivery, the company is responsible of exchange for breakdown caused by material or manufacture.

Within 12 months of delivery, the company is responsible of free repair for breakdown caused by material or manufacture. Proven with defect under warranty, the company will exchange the instrument or free repair it alternatively.

Warranty Coverage

Breakdown due to improper use, operation in inappropriate conditions, maintain or refitting without authorization are not in warranty coverage.

Repair after warranty will be charged reasonable cost.

Repair Record

Date	Repair Record	Repaired by

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