



A Geno Technology, Inc. (USA) brand name

Black-box Type UV Analyzer

Cat. No. BT511

INTRODUCTION

Thanks for choosing BT Lab Systems' Black-box Type UV Analyzer. The Black-box Type UV Analyzer can send out long and short-wave UV light. It is stable, reliable, and easy to operate. The instrument is used in biochemistry and medicine with samples of DNA, RNA electrophoresis gel observation analysis, detection of protein and nucleotides.

IMPORTANT SAFETY INFORMATION

- Instrument is made of metal, the 220V power should have good ground lead
- The instrument should be placed where it is clean, dry, well-ventilated, and not exposed to corrosive material.
- Do not touch the UV glass with metals and other hard objects.
- Use alcohol to clean surface of the instrument.
- Do not look straight at the UV light. It may seriously hurt your eyes. UV eye protection is required when using the optical window.

KEY FEATURES

- Instrument has a 254nm and 365 nm UV light source. Transmission of UV light uses 302 nm UV light bulb
- 302 nm wavelength with little damage to the sample
- Fully enclosed with high quality metal black-box. No need to operate in a darkroom. Convenient to use, simple to operate
- Equipment can be installed with a digital camera to shoot photos
- Drawer type table is convenient for samples. Left and right sides of the door are convenient for visual operation

TECHNICAL SPECIFICATIONS

- Transmission wavelength: Standard configuration 302nm. 254nm and 365nm are optional
- Transmission filter: 200mm x 150mm
- UV observation window: 140mm x 60mm
- Lamp working time: >5000h
- Input Voltage: AC 220V 50HZ
**Transformer required for 110V use*
- Power: 8W x 6
- Fuse: 250V,1A, ϕ 5 x 20
- Dimension (WxDxH): 350 x 315 x 520mm
- Weight: 6kgs

OPERATION

1. Put the instrument on a stable and level bench top.
2. Insert the power line to the jack on the right of the instrument and connect the power line to the electric socket. Voltage should be 110V.
3. Open the door, turn on the main power switch on the far right. Then turn on the light switch and check if the light is on. Close the door, turn on the ultraviolet lamp switch off on the far left. Take off the lid on the viewing hole and put it on the instrument (the lid with alnico could be attached to the cover). Check through the viewing hole if the ultraviolet lamp is on.
4. There is a door on each side. While observing you can open the door if you need to deal with the sample. If not, keep the doors closed.
5. If you want to take photos by digital camera, take away the lid on the camera and put it on the instrument (the lid with alnico can be attached to the cover). Then unscrew the holding screw on the top of the instrument, take out the camera stand and insert it in the shape of "L" (the stand is in the shape of "7" at first). How deep the camera should be inserted is according to the camera. Then fix the camera stand with holding screws. Finally fix the camera on the standby connecting link and adjusting knob.

WARRANTY

Our company guarantees that this unit is warranted against defective material and workmanship for a period of one year from the date of shipment. We will repair or replace the defective equipment returned during the warranty period free if the equipment has been used under normal laboratory conditions and in accordance with the instruction in this manual. The following defects are specifically excluded:

1. Damage caused by accident, misuse, or abuse
2. Damage caused by disaster
3. Repair or modification by anyone else without our authorization
4. Corrosion due to the use of improper solvent or sample
5. Defects caused by improper operation
6. Use of fittings or other spare parts supplied by different manufacturers

This warranty does not apply to platinum wire and all the accessories.

A return authorization must be obtained from us before returning any product for repair on a freight prepaid basis.

For any inquiry or request for repair service, please contact BT Lab Systems via the email below.

E-Mail: info@BTLabSystems.com

TECHNICAL SUPPORT

BT Lab Systems offers technical support for all its products. If you have any questions about the product's use or, operation, please contact BT Lab Systems at the following info.

E-Mail: info@BTLabSystems.com