

TECHNICAL DATA SHEET

YSTE-Gel13B Gel Imaging & Analysis System

Short Description:

Gel Documentation & Analysis System is used for analysing and researching into the gel, films and blots after the electrophoresis experiment. It is a basic device with ultraviolet light source for visualizing and photographing the gels stained with fluorescent dyes like ethidium bromide, and with white light source for visualizing and photographing the gels stained with dyes like coomassie brilliant blue.

Specification

Dimension

458 x 445 x 775 mm

Transmission UV Wavelength

302nm

Reflection UV Wavelength

254nm and 365nm

UV Light Transmission Area

252×252mm

Visible Light Transmission Area

260×175mm

Description

YSTE-Gel13B Gel Documentation & Analysis System is strong and compact with a viewing window. The glass plate of the viewing window is ultraviolet ray intercepting glass, it can protect your eyes. On the top of the apparatus, there is a cylinder connecting the digital camera with the box. You can use the digital camera to take the picture of the gel under the UV light or white light and then input the picture into the computer. With the help of the relevant special analysis software, you can

analyse the images of DNA, RNA, protein gel, thin-layer chromatography, etc. once and for all. And finally you can get the peak value of the band, molecular weight or base pair, area, height, position, volume or the total number of the samples. It is suitable for Lab of university or hospital, scientific research institutions engaged in the research of biological engineering science, agriculture and forestry science, etc.

The system mainly consists of UV lamphouse (UV transillumination source), white light lamphouse (white light transillumination source), viewing cabinet and the optional accessories. UV lamphouse and white light lamphouse are roll-in-and-roll-out drawer design, it is convenient for you to use them. There are some holes in the back of the apparatus, which are used for heat elimination.

Application

Apply to observe, take photos and analyse testing results of nucleic acid and protein electrophoresis.

Feature

- Dark chamber design; no need dark room; can be used in all-weather;

- Drawer-mode light box, convenient to use and avoid contamination;
- Real time preview, manual focus function;
- Uv filter: EB special super multi-layer coating filter;
- Compatible with various image formats: tif ,jpg, bmp, gif;
- Can directly cut gel in dark chamber.

System Configuration

- High performance black and white cameras;
- Imported professional analysis software;
- High configuration computer;
- High resolution ink-jet printer.

Technical Specification

- Resolution: consistent with the camera;
- Effective pixels: 1.3 megapixels (5 or 6.4 megapixels with 6 times zoom lens optional);
- Digital zoom: consistent with the camera;
- Optical zoom: consistent with the camera;
- Aperture range: F2.8/F4.5-F8.0;
- The speed of shutter:1-2000ms;
- Macro automatic focus: consistent with the camera;
- Able to professionally analyse the result of 1D, colony and spot hybridization.

Powerful Analysis Software

- The image processing function;
- 1D analysis function;
- Counting clone technology index;
- Colony and spot hybridization;
- Data results with MS Excel seamless connection;
- Software can be used for Win98/Me/2000/Windows7/Windows10.

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Information from the authorized catalog. Confirm configuration, accessories and documentation in the quotation.

Assisted translation: review the manufacturer specifications before purchasing.