GELDOC Series

| Gel Documentation

☰ Details Info

Gel Document Imaging System is intend for band observation after electrophoresis run. DNA or other bimolecular cannot be seen under natural light, but with the help of UV light and high resolution CCD, DNA or other bimolecular can be visualized with a fluorescent stain such as ethidium bromide.

By using the gel document imaging system, the electrophoresis band is analyzed by using software technology and the band picture can be zoomed in or zoomed out according to user's requirements.

Model	Description
Geldoc 1.4	Effective pixels: 1.4 MP, automatically recognize images of 10 bit
Geldoc 3.2	Effective pixels: 3.2MP, automatically recognize images of 10 bit
Geldoc 5.2	Effective pixels: 5.2MP, automatically recognize images of 10 bit

Features:

CCD with lower lux and high-resolution, easy to get dim stripes and real-time browse, whole-screen display and simple to operate:

- Noise: ≥56DB.

- Shutter Control: Electronic Shutter.

- Interface: Standard C interface.

- Sensitivity: Lowest limits of detection can be 20pg of Nucleic Acids.

- Six time zoom lens and simple to enlarge and shrink gel photos.

- Using a multi-layergel-filtereffectively filters background noise.

- Viewing surface size: 21×21cm.

- Ultraviolet Light Resource:

- Transmitting Wavelength: 300nm.

- Reflecting Wavelength: 254nm-365nm.

- Transferring plate changes UV-light into white-light.

- Drawer-style gel platform, convenient to observe, operate, cut gel

- Intelligent control:

- Safety function for your eyes that automatically shuts down the UV light when the door is opened and reactivates the   UV light when the door is shut.

- Timed shut down: The UV light protection system automatically shuts down the lights after 15 minutes to maximize the life of lamp and vitreous.

- The zoom lens is protected with RS232 interface.

- Remote control: Set CCD and adjust zoom lens using a computer mouse

- Regular and reliable system convenient to maintain and exchange parts.> gel-filter effectively filters background noise.

- Viewing surface size: 21×21cm.

- Ultraviolet Light Resource:

- Transmitting Wavelength: 300nm.

- Reflecting Wavelength: 254nm-365nm.

Software:

1- Real time image preview and photograph

The exposure value adjustment: according to the different experimental conditions, automatically or manually adjust the exposure value, can achieve the best effect of exposure.
Light control button : You can control the white light and UV lamp through the computer
Fine and coarse adjustment button : users can choose the regulation speed :
Zoom ,focus , aperture adjusting button : you can adjusted the image size, focal length and the aperture by computer
Flip vertical button : according to the need to flip the image
Image capture button: you can take and save the image to picture

2-Image analysis

You can recognition the lane automatically or manually
You can automatically and manually on the colony density. Dot hybridization analysis, colony count.
You can calculation and comparison the Molecules of nucleic acid. Protein content .optical density. mobility and PH value and percentage content
You can export all kinds of experimental report to a text or Excel format file and print