GEL DOCUMENTATION SYSTEM
IG-618GD
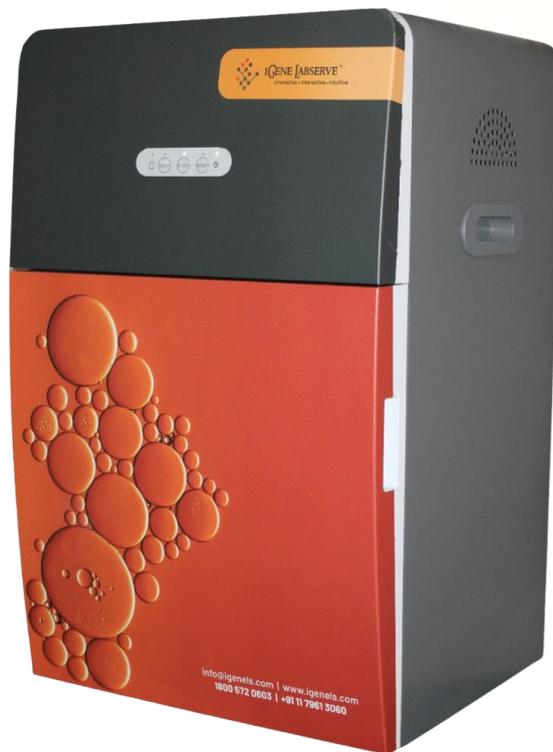
iGENE LABSERVE

Innovative • Interactive • Intuitive

FEATURES & SPECIFICATIONS

DESCRIPTION

IG-618GD Series Gel Documentation and Analysis System is designed for the detection and documentation of nucleic acids. It adopts a high resolution and highly sensitive scientific grade-Camera, which enables the instrument to capture utter weak signals under extremely low illumination condition. The automatic controls and the intuitive software we offered can help the researchers to get rid of the complicated operation process and increase the experimental efficiency.

APPLICABLE DYES

- Ethiduim Bromide
- SYBR™ Gold, SYBR™ Green, SYBR™ Safe
- Gel Star™
- Texas Red
- Fluorescein
- Gel Red, Gel Green
- Good View Dye etc

FEATURES

- High Grade metallic framing for long life
- We use highly sensitive scientific grade CMOS Camera.
- It can imagine proteins (SDS-PAGE or similar) and it can imagine colorimetric stained protein gels,
- X ray films

Drawer type high quality UV Transilluminator for ease of placing and taking out sample. User Safety as UV turns off on door opening automatically

Better user experience as depending on application, only uses Arabic numeric which are easily adjustable automatically instead of professional parameters of aperture and focus.

SPECIFICATIONS

Model	IG-618GD
Camera	5.0 Megapixels/D 16bit; pixel density ： 16 bit (CMOS Camera)
Pixel Size	2.4μm x 2.4μm
Sample Area	210mmx 260mm Filter Area
Transmission Wavelength	302nm (Optional 365, 254nm)
Standard Filter	590nm (Other wavelengths optional)
Software	1D Analysis software
Analysis	Applicable for DNA & Protein with white light plate, EPI UV
EPI Light (Reflected)	White Light
Transmission Type	Drawer Type Transilluminator for easy placement of sample
Safety	Auto UV off when door opens

1D Analysis Software

❖ **Analyse gel images from any source**
Use your digital camera, smartphone, or gel doc system to obtain images. Our Software will take care of the rest.

❖ **Automatic lane and band detection**
With full manual control over adding, modifying, and deleting lanes and bands.

❖ **Fix run distortions through Recalibration.**
Define any number of absolute Rf curves on the image to correct run distortions.

❖ **Define and subtract profile background.**
Use the built in automatic methods or define background manually.

❖ **Quantity and molecular weight calibration**.
Use the built-in parametric curve fitting methods to calibrate based on band volume and Rf.

❖ **All major operating systems supported**.
Runs on Windows, Linux, and MacOS.

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