

# FASTgel

The FASTgel gel imaging system can be used for qualitative analysis of nucleic acid and protein in purification and /or separation application, or colony counting application.

## Functions & Applications

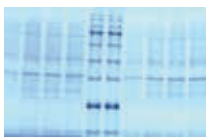
FASTgel facilitates fast access to acquire high-quality images of electrophoresis gel or transfer membrane for analysis using a smartphone or tablet. With epi-blue instead of ultraviolet light source, FASTgel is able to safely and efficiently visualize stained DNA signals after gel electrophoresis.

In addition, Coomassie blue stained SDS-PAGE and colony dishes can be observed with the light plate mounted on the FASTgel.

Optionally you can control the complete imaging system via an app on your smartphone or tablet.



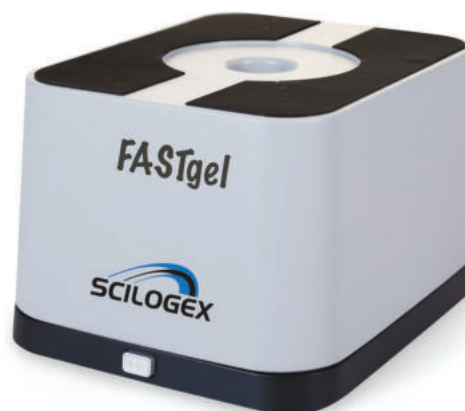
ECO Safe staining



Coomassie blue stained SDS-PAGE



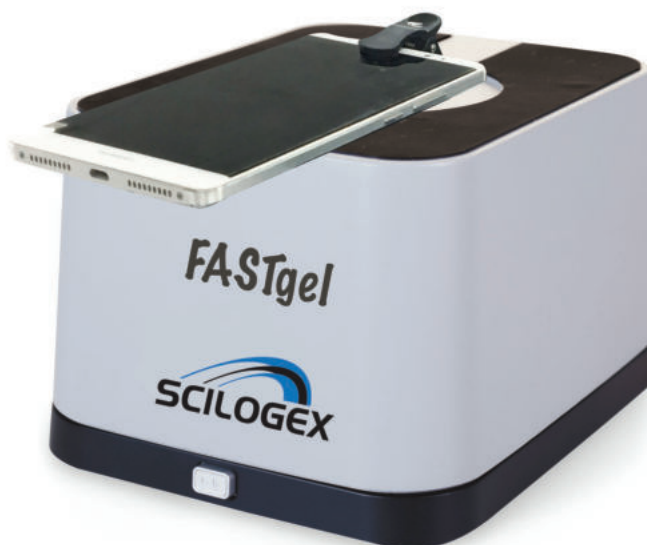
colony dish image



## Features

- Compact foot print with a field of 10×10cm
- Simple operation of experiments and quick acquisition of results
- Epi-blue light diminishes UV exposure to lab personnel and DNA damage in the sample
- Adjustable epi-blue light source emits light with high intensity and minimum heat for better light control
- Filter holders can accommodate most popular smartphones/tablets
- Optional light-weight app

## Simple assembly



## Applications:



Observe and cut gels safe and sound with the amber filter shield



## Specifications

	FASTgel
Light Source	470nm epi blue light
White Light Plate	Yes
Filter Protective Shield	Amber, using when observing or cutting gels
Viewing Area	10 x 10cm
Compatible Dye	DNA: ECO Safe, SYBR Safe, GelGreen Protein: Lightning Red, Silver/ Coomassie blue, SYPRO Ruby
Light Source (L x W x H)	216 x 168 x 54 mm
Light Source Cover (L x W x H)	211 x 161 x 108 mm
Total Size (L x W x H)	216 x 168 x 128 mm
Weight	1.2 Kg
Power Supply	12V / 1.5A AC power adapter
Optional app	for Android 4.4 and above or iOS9.0 and above

## FasGel Gel illuminator User Manual

### Packing List :

- (1) Light source cover
- (2) Light source
- (3) Gel illuminator tray
- (4) Filter lens clip;
- (5) Filter(s)
- (6) Filter lens holder
- (7) Amber filter protective shield
- (8) Mini USB to Micro USB cable
- (9) A/C adapter (12V, 1.5A)
- (10) User's manual



### SETUP

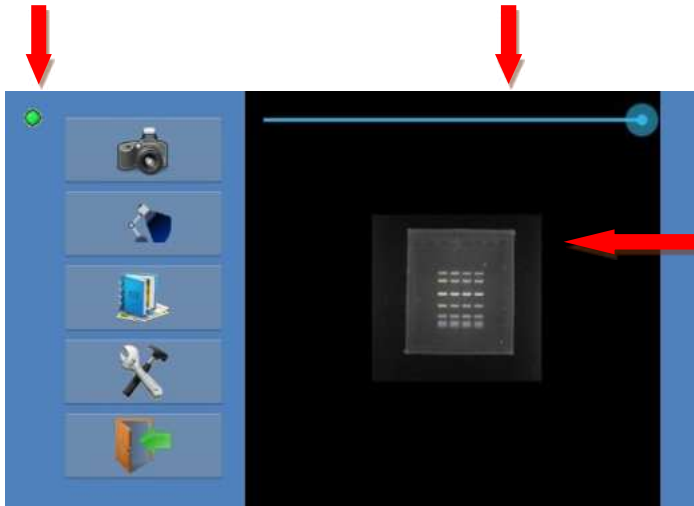
1. Remove all internal packaging. (Figure1)
2. Place the amber filter inside lens filter holder (Figure 2). Install lens filter holder to lens filter clip (Figure 3). Connect the included AC adapter to the illuminator then plug into an electrical outlet.
3. Attach the filter lens clip to a smartphone and place the phone on the light source cover(Figure 4,5 )
4. Put the light source cover on the light source. (Figure 6 )
5. Connect the smartphone to the Gel illuminator with the included USB cable (Figure 7 );
6. Turn on the light: You can press the button or use Software app to select your desired light source ;
7. Place the amber filter shield in position as shown in Figure 8 for gel observation or gel cutting;



## Software app

**Connection status indicator:**  
 When smartphone is connected the Gel illuminator light source green light is on.  
 Red light is on when disconnected

**EV setting bar**  
 Drag the bar to adjust EV (exposure value)  
 • Right: increasing EV  
 • Left: decreasing EV



**Zoom in / Zoom out**  
 Pinch your fingers to zoom in & zoom out image



Capture image



Select light sources



Go to thumbnail viewer to see saved images

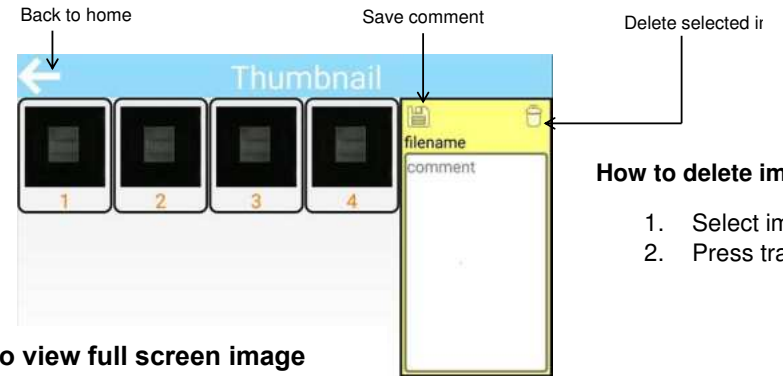


Set image format & oversaturation marking.



Quit app

## Thumbnail Viewer



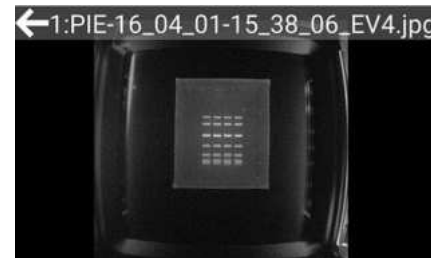
### How to delete image file

1. Select image
2. Press trash icon

### How to view full screen image

Open thumbnail viewer, select image, Long-press to view full screen image.

Press the arrow on the upper left to return to the Thumbnail page



### How to input comment:

1. Select image
2. Touch "comment" column
3. Input your comment then press "done"
4. Press "save" icon

