



BIOTOP

Gel Documentation

Gel Documentation Systems with Blue/Green LED



The **FAS-DIGI Compact** (left) and the **FAS-DIGI PRO** (right) are used with the same **transilluminator** (middle).

NEW! FastGene® FAS-DIGI Compact

Powerful Gel Imaging System in a compact design

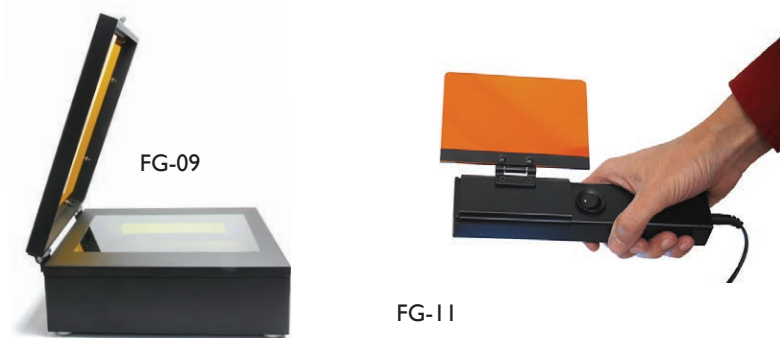
FastGene® FAS-Digi PRO

FAS-Digi PRO is composed of Blue/Green LED transilluminator, imaging chamber with 24 MPixel camera and it is controlled with an imaging software on your PC.

Blue/Green LED for every wallet

Broad spectrum Blue/Green LED technology doesn't damage nucleic acids and allows detection of all green and red DNA dyes. Ultra-sensitive DNA signals!

SAFE VISIBLE LIGHT!



Gel Documentation Systems with Blue/Green LED	
Fastgene FAS-Digi PRO	GP-07LED
Fastgene FAS-Digi Compact	GP-08LED
FastGene Blue/Green GelPic Box	GP-04LED
FastGene B/G LED Transilluminator (20x16cm)	FG-08
FastGene B/G LED Transilluminator XL (26x21cm)	FG-09
FastGene B/G LED Flashlight	FG-11
FastGene Blue/White LED Tab	FG-12

Blue/Green LED Technology

Safe Detection of all Green and Red DNA Dyes

1 Better Cloning Efficiency



The exposure of UV-light highly damages DNA and therefore lowers the cloning efficiency. With the save Blue/Green LED light you never have problems with your cloning experiments. No DNA degradation!

2 Less Error during Sequencing



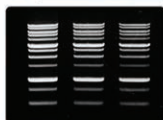
Because Blue/Green light is not harmful for your DNA, you also achieve better results for your sequencing experiments. Try Blue/Green!

3 Healthier Working Environment



The Blue/Green LED technology used visible light of 470 nm to 520 nm. In contrast to UV-light, Blue/Green LED light is not harmful for your skin and eyes. No light protection is needed.

4 Perfect with MIDORI™ Dyes



Blue/Green LED is suitable for the visualization of all red and green DNA dyes. Especially with green dyes (like the MIDORI™ dyes) this technology leads to super DNA intensities.



BGLED + Midori **GREEN**
= More sensitive than UV + EtBr



Midori GREEN DNA Stains

THE SAFE ALTERNATIVE TO ETHIDIUM BROMIDE



Non-carcinogenic DNA stains of the latest generation for UV and Blue & Blue/Green LED.

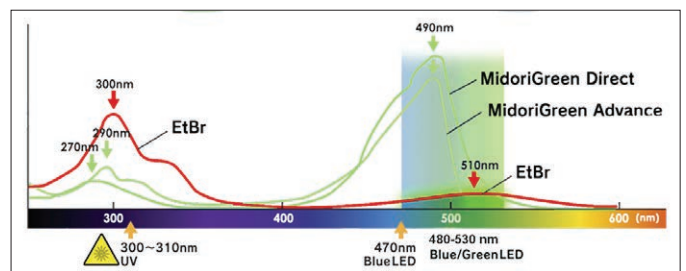
Agarose gels stained with MIDORI Green Xtra have a very low background fluorescence, which makes the identification of low amounts of DNA very easy.

BGLED + Midori GREEN
= More sensitive than UV + EtBr

Ultra sensitive for LED illumination!

Midori Green dye	Blue/Green LED	Blue LED	UV-light	In-Gel	Post-staining	Direct
Advance	✓	✓	✓	✓	✓	✓
Direct	✓	✓	✗	✗	✗	✓
Xtra	✓	✓	✗	✓	✓	✗

Compatible ✓ Compatible, but not recommended ✗ Not compatible ✗

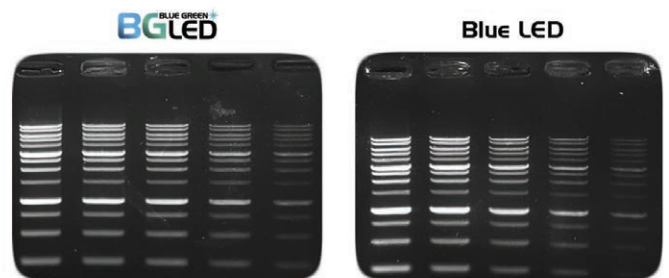


The absorbance spectrum of Ethidium Bromide (red), Midori Green Advance (green) and Midori Green Direct (light green).

Midori GREEN Stains		
MG10	Midori Green Xtra, 1 ml*	The best DNA detection dye for visible light (Blue & Blue/Green LED).
MG06	Midori Green Direct, 1 ml	Stain your sample directly, not the agarose!
MG04	Midori Green Advance, 1ml*	The perfect DNA dye for UV-light Transilluminators.
* Sufficient to stain 25-50 litres of agarose.		

Midori GREEN Xtra

Agarose gels stained with Midori GREEN Xtra have a very low background fluorescence, which makes the identification of low amounts of DNA very easy.



Ultra-high sensitivity of DNA bands detected with MIDORI Green Xtra. Left: Detection with a Blue/Green LED transilluminator. Right: Detection with a Blue LED transilluminator.

