



Laboratory interview

Introduction of the FAS V Gel Documentation System (CCD Sensor)

Category

Gel documentation

Product name

FAS V Gel Documentation System

(CCD Sensor) Cat.No. GP-FAS-V

Manufacturer

NIPPON Genetics EUROPE GmbH



This article is supported by our „**Experimental Environment Improvement Project**“

This is a plan to introduce case studies of customers who have actually installed products according to that concept, along with interview articles. We would like to show how the product was introduced and how the experimental environment changed after the installation.

Mr. Yoshii of Okayama University, Faculty of Science, Department of Biology kindly responded to the memorable first interview.

Interview

NIPPON Genetics: What kind of research are you doing in your laboratory?



Mr. Yoshii

I am studying the body clock.

NIPPON Genetics: What kind of research are you doing in that?



Mr. Yoshii

I am studying the neural circuit of the body clock using *Drosophila*.

NIPPON Genetics: Why did you switch from UV and EtBr?



Mr. Yoshii

I felt that handling the EtBr waste solution was troublesome, and I did not want to use it as much as possible because of the possibility that DNA might be cleaved in the confirmation of electrophoresis using UV.

NIPPON Genetics: Please tell us how you learned about our FAS V (Blue/Green LED) and Midori Green Direct.



Mr. Yoshii

FAS V (Blue/Green LED) is very bright and the CCD camera is also very sensitive, so you can take beautiful pictures. Also, unlike UV, it is comfortable to have a discussion with students while watching the band. Midori Green Direct gives stable results and is very easy to handle as it is only mixed in the sample beforehand.

NIPPON Genetics: What kind of points do you like?



Mr. Yoshii

FAS V (Blue/Green LED) is still equipped with a powerful LED and a highly sensitive CCD camera, so you can take beautiful pictures. Because of its excellent operability, I think it is highly cost-effective for a gel imaging device of this class. It's easy to see if the LED is on, and even if you accidentally open the door, it's safe because it's not UV, and it's easy to turn the device on and off.

NIPPON Genetics: Please let us know if you have any future expectations for FAS V or Midori Green Direct.

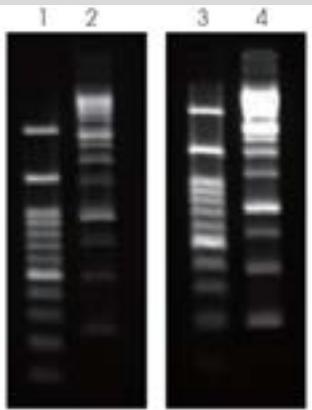


Mr. Yoshii

For FASV (Blue/Green LED), I think it would be convenient to have a folder to put the touch pen on and a hook to fix the strap. Midori Green Direct expects the price to become attractive in the future.



Figure 1



1,2: Midori Green Direct (exposure time 0.05 seconds)

3,4: UltraPower (exposure time 0.02 seconds)

1,3: 100bp DNA Ladder (NE-MWD100)

2,4: 1kb bp DNA Ladder (NE-MWD1)

1.5% TBE agarose gel

Advantages of Midori Green Direct

1. Sharp band (Among nucleic acid staining reagents of the type that is mixed with the sample, it is very good.)

2. Mobility changes little with the amount of DNA.

3. The low molecular band is also beautiful.

4. Polymer bands do not become too bright.

(Using UltraPower, the high molecular bands are quite bright, but the low molecular bands are hard to see.)

NIPPON Genetics: Please let us know if you have something to convey to other laboratories.



Mr. Yoshii

EtBr-free and UV-free gel photography is very comfortable. There are various products from each company, but I think you should demonstrate and introduce them in a satisfactory manner.

NIPPON Genetics Sales Representative:

Originally, this laboratory almost decided to purchase equipment from another supplier.

However, when I understood the needs of the customer during the demonstration of the FAS V, they were satisfied with the performance and they made a decision.

At the time of the demonstration, the customer said that „Even if we purchase the FAS V, the EtBr alternative reagent to use will be a cheap one from another supplier!“ But they finally chose our Midori Green Direct.

We often hear from customers who use both FAS V and Midori Green Direct that they say that the sharpness of the bands is beautiful and that it is much easier to dispose of waste liquid and used gel.

It's a great pleasure to hear that we helped them to improve not only the experimental environment but also the experimental results and handling.

From now on, we will continue to make efforts to make as many customers as possible by suggesting „No UV! No EtBr!“.