

GET THE BEST DNA & RNA

# SIGNAL

## MIDORI<sup>Green</sup> Safe DNA Stain

### SAFE DYES AND BEST SIGNALS

1

#### SAFE DNA DYES

Proven to be a non-carcinogenic and non-toxic dye for detecting dsDNA, ssDNA and RNA in agarose gels, MIDORI<sup>Green</sup> is a family of safe alternatives to the traditional nucleic acid stain ethidium bromide.

2

#### PERFECT SIGNAL

The chemical structures of our MIDORI<sup>Green</sup> dyes have been optimized for an optimal absorption peak when bound to DNA. This reduces the background and leads to a perfect signal-to-background ratio.

3

#### AFFORDABLE

MIDORI<sup>Green</sup> Dyes are available in a highly concentrated (25,000x) solution. The overall cost per gel is 3-4 times lower when compared to other DNA binding dyes.

4

#### FOR ALL LIGHT SOURCES

The different versions of MIDORI<sup>Green</sup> were developed for different light sources. MIDORI<sup>Green</sup> Advance is optimal for UV-Light, while MIDORI<sup>Green</sup> Easy, Xtra and Direct are perfect for visible light sources.

### PERFECT SOLUTIONS

Our set of MIDORI<sup>Green</sup> dyes offers a perfect solution for different staining preparation or gel documentation conditions.

#### MIDORI<sup>Green</sup> Easy



MG12

#### MIDORI<sup>Green</sup> Advance



MG04

#### MIDORI<sup>Green</sup> Xtra



MG10

#### MIDORI<sup>Green</sup> Direct



MG06

Get more information on the back page.

### DID YOU KNOW?

MIDORI<sup>Green</sup> Easy is the perfect stain to switch to from SYBR<sup>®</sup> Safe!

MIDORI<sup>Green</sup> Advance (1 tube) stains up to 500 gels!

MIDORI<sup>Green</sup> Xtra shows excellent results with Blue/Green LEDs!

MIDORI<sup>Green</sup> Direct (1 tube) stains up to 2000 samples!

MIDORI<sup>Green</sup> dyes stain over 2,000,000 agarose gels every year!



You would like to get more information or request a sample? Contact us!

[info@nippongenetics.eu](mailto:info@nippongenetics.eu)

or visit our website at

[www.nippongenetics.eu](http://www.nippongenetics.eu)

REQUEST  
YOUR  
SAMPLE

info@nippongenetics.eu

THE PERFECT  
ELECTROPHORESIS

Achieve excellent gel  
electrophoresis results  
with

MIDORI<sup>GREEN</sup> dyes

DNA & RNA



MUPID™-ONE

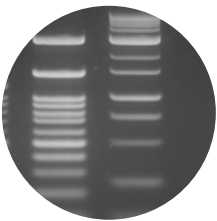
Smart and safe electrophoresis system

Perform your gel electrophoresis with one of the most convenient DNA separation systems on the market.

Do you want to know more? Contact us, or visit our website.

MK-FL-MID-2.0

THE MIDORI<sup>GREEN</sup> FAMILY

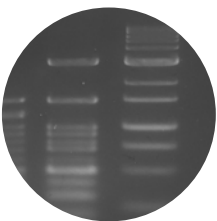


MIDORI<sup>GREEN</sup> EASY

Easy switch and excellent signal quality

Our latest safe DNA dye development enables an easy switch from SYBR® Safe stain. No changes are needed in the staining protocol. MIDORI<sup>Green</sup> Easy has the same dye concentration and tube volume as SYBR® Safe - for a much better price! The signal is unbeatable with visible excitation light, and it shows the best results with our Blue/Green LED technology.

IN-GEL STAINING



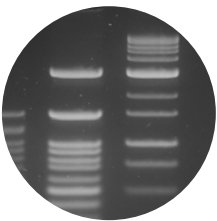
MIDORI<sup>GREEN</sup> ADVANCE

The perfect dye for UV light

MIDORI<sup>Green</sup> Advance is a safe alternative to the traditional nucleic acid stain ethidium bromide. It is a non-carcinogenic, non-mutagenic and non-toxic dye for detecting dsDNA, ssDNA and RNA in agarose gels with a very high sensitivity. MIDORI<sup>Green</sup> Advance gives the best signal results with UV-light transilluminators and is completely safe to use.

IN-GEL STAINING

UV-LIGHT

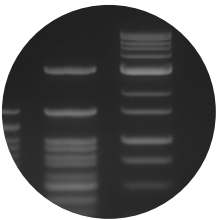


MIDORI<sup>GREEN</sup> XTRA

Optimal for Blue/Green LED light

MIDORI<sup>Green</sup> Xtra is highly concentrated (25,000 x) and leads to unbeatable signals of nucleic acids. The combination of MIDORI<sup>Green</sup> Xtra with Blue/Green LED light reaches an incredible level of sensitivity and sets the new gold standard for DNA detection. Even the smallest quantities of DNA or RNA are detectable.

IN-GEL STAINING



MIDORI<sup>GREEN</sup> DIRECT

In-sample staining for the strongest signal

MIDORI<sup>Green</sup> Direct is added directly to your samples, with the loading dye already included. No other reagents need to be added to the gel matrix or running buffers. MIDORI<sup>Green</sup> Direct was developed for visible light, and the best signal quality can be achieved with our Blue/Green LED technology.

SAMPLE STAINING



WHAT ARE SCIENTISTS SAYING?  
ABOUT MIDORI<sup>GREEN</sup> XTRA

„A very safe and sensitive dye. Works extremely good with the blue/green LED [...] and sensitivity is much better than other ethidium bromide alternatives we tested. It even works extremely well with light on in the lab, using the amber shield or goggles to extract the bands from the gel. We are completely satisfied and convinced.“



Researcher at University of Münster, Germany

ORDER INFORMATION

| Cat. No. | Product                                           | Content                                        |
|----------|---------------------------------------------------|------------------------------------------------|
| MG12     | MIDORI <sup>Green</sup> Easy                      | 0.4 ml (10.000x - for staining 4 l of agarose) |
| MG04     | MIDORI <sup>Green</sup> Advance                   | 1 ml (25.000x - for staining 25 l of agarose)  |
| MG10     | MIDORI <sup>Green</sup> Xtra                      | 1 ml (25.000x - for staining 25 l of agarose)  |
| MG06     | MIDORI <sup>Green</sup> Direct (with loading dye) | 1 ml (10x conc. for direct use in sample)      |



NIPPON Genetics EUROPE  
INNOVATION FOR YOU