Product: **Midori^{Green} Xtra TAE Agarose Tablets**

Cat. No. : AG13, AG13s

Category: *Agarose Tablets*

Description:

Midori^{Green} Xtra TAE Agarose Tablets contain everything necessary for an easy preparation of an agarose gel in desired gel percentage.
Midori^{Green} Xtra TAE Agarose Tablets are packed in a convenient blister pack.
Midori^{Green} Xtra DNA Stain is a new nucleic acid stain which can be used as a safer alternative to the traditional Ethidium bromide stain for detecting nucleic acid in agarose gels. It is as sensitive as Ethidium bromide and can be used exactly the same way in agarose gel electrophoresis.
Midori^{Green} Xtra DNA Stain emits green fluorescence when bound to DNA or RNA. It has two fluorescence excitation maxima ~250 nm and ~482 nm. The fluorescence emission is centered at ~509 nm. MIDORI^{Green} Xtra was developed to work with Blue and Blue/Green LED Illuminators (like the FastGene® LED Illuminator or FastGene® LED Transilluminators).
The best signal is achieved using our unique excitation technology, the BG LED Illuminators and gel documentation systems.

Safety:

Caution when using hot, viscous solutions! Use suitable safety gear and open bottle gently to avoid accidents.
Midori^{Green} Xtra DNA Stain is non-carcinogenic and, according to the Ames test, it causes significantly fewer mutations than Ethidium bromide. It may irritate skin and eyes. Please wear gloves while handling.
A detailed safety report can be downloaded at www.nippongenetics.eu.

Quick Notes

Midori^{Green} Xtra TAE Agarose Tablet contain:
- Agarose
- TAE powder
- Midori^{Green} Xtra DNA stain

Do **not** use hot water for dissolving the tablet
Do **not** add any buffer

Protocol:

- Use the bottle or flask that is at least 3 times the volume of the solution being prepared.
- Add an appropriate number of agarose tablets in the **water** and do **NOT** add any buffer! See the table below to achieve needed gel percentage.

Gel %	1 tablet	2 tablets	3 tablets
1.0%	32.5 ml	65 ml	97.5 ml
1.5%	21.5 ml	43 ml	64.5 ml
2.0%	16.25 ml	32.5 ml	48.75 ml

* We recommend 1.5%

- Soak the tablet in pure **water** for 3-5 minutes (or until it is dissolved) before heating.
- For tablet dissolving use water which is at room temperature, **DO NOT** use hot water.
- Heat the solution until it is clear and visually all the particles are dissolved.
- Cool the gel to 60-70°C and cast the gel into the gel tray.
- Run the gel in TAE running buffer.
- Detect the bands under Blue, BG LED illuminator. Using UV light is not recommended and results depend on the performance of the device.

Storage:

Store at RT, protected from light, shipping at room temperature.

Mariaweilerstraße 28-30,
52349 Düren, Germany
TEL +49 2421 55496 0 FAX +49 2421 55496 11 Info@nippongenetics.eu