MIDORI Green Xtra TAE Agarose Tablets

Cat. No. AG13

Description

MIDORI Green Xtra TAE Agarose Tablet contains a pre-determined amount of standard melting point agarose, MIDORI Green Xtra stain, and TAE powder.

Midori Green Xtra DNA stain emits green fluorescence when bound to DNA or RNA. IIt was developed to work with Blue and Blue/Green LED Illuminators (like the FastGene® LED Illuminator or FastGene® LED Transilluminators).

The purity of the agarose leads to an excellent transparency and a low background, important to obtain sharp and well-defined DNA/RNA bands with the highest sensitivity in the low molecular weight range.

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 can irritate skin and eyes. Please wear gloves while handling. A detailed safety report can be downloaded at www.nippongenetics.eu.

Specifications

- Melting point: 88 ± 1,5 °C
- Separation range: 100 bp to >30 kb
- Product size: 100 tablets (0.5 g each)

Aplications

- Ideal for routine DNA and RNA gel electrophoresis and blotting assays.
- Convenient tablet format - no complicated messy weighing required.
- Fast dissolving protocol.

Protocol

1. Use the bottle or flask that is at least 3 times the volume of the solution being prepared.
2. Add an appropriate number of agarose tablets in the **water**. See the table below to achieve the needed gel percentage.

Gel %	1 tablet	2 tablets	3 tablets
1%	32.5 ml H_2O	65 ml H_2O	97.5 ml H_2O
1,5 %	21.5 ml H_2O	43 ml H_2O	64.5 ml H_2O
2 %	16.25 ml H_2O	32.5 ml H_2O	48.75 ml H_2O

3. Soak the tablet in the pure water for 1-3 minutes (or until it is dissolved) before heating. For tablet dissolving use water which is at RT. **DO NOT** use hot water.
4. Heat the solution until it is clear and visually all the particles are dissolved.
5. Cool the gel to 60-70°C.
6. Cast the gel into the gel tray (gel thickness should be 0.5 – 0.7cm).
7. Run the gel in TAE running buffer.
8. Detect the bands under Blue LED or Blue/Green LED. UV light is not recommended.

Storage

Storage and shipping at RT. Protected from light.

Ordering information

Cat. No.	Pack Size
AG13	100 pcs
AG13s	2 pcs

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