

NOYA-safe

Catalog number: N-1211

« Research Use Only »

Introduction

The function of loading dye in electrophoresis is to allow the DNA sample to sink into the well of the gel; it helps visual tracking of the DNA sample as it runs through the gel. Ethidium Bromide is a classic gel stain for visualization of DNA fragment in agarose gel. Many papers point to its carcinogenicity. Other drawback is contamination of environment.

NOYA-safe, has a special formulation with dual purposes of DNA loading and staining. It consists of Syber-green which is less toxic than ethidium bromide (Ames test result). It works such as classic loading dyes and can be directly applied on agarose gel.

Procedure

Add 3-4µl to PCR product and apply to agarose gel.

Visualization and photography

Illuminate the running gel using 300nm ultraviolet transilluminator/or, for greater sensitivity, 254nm epi-illumination.

Note: NOYA-safe has low intrinsic fluorescence, so no need to remove free dye.

Decontamination

Add 1g activated charcoal to each 10 liter of 1x buffer. The charcoal may then be disposed as solid hazardous waste.

Notes

- **FOR RESEARCH USE ONLY NOT FOR HUMAN OR DIAGNOSTIC USE.**
- Please observe General laboratory precaution and utilize safety while using this reagent.

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TIME IS THE WORST THING TO WASTE**

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