

Datasheet for ABIN4219141 SafeView Plus™

Overview

Quantity: 1 mL

Application: SDS-PAGE (SDS), Agarose Gel Electrophoresis (AGE)

Product Details

Purpose: SafeView Plus™ is a new and safe nucleic acid stain for the visualization of nucleic acids in agarose and polyacrylamide gels. This dye eliminates the need for toxic Ethidium Bromide (EtBr, a potent mutagen), commonly used in gel electrophoresis.

Brand: SafeView™

Specificity: UV Compatible
Blue Light Compatible
Sensitivity limit: 0.05-0.1 ng DNA per band

Characteristics: Easy to Use: SafeView Plus™ is a post-stain solution that replaces EtBr. Soak your gel and visualize as you would with EtBr staining. SafeView Plus™ can be used with UV or blue light and has a maximum emission at 525 nm.
Safe: Non-carcinogenic.
Ultra-Sensitive: Detect as little as 0.05 - 0.1 ng of DNA per gel band.
Superior: EtBr is known to cause strand breaks and nicks in DNA. Using SafeView Plus™ minimizes such damage, yielding higher transformation rates and lower mutation rates verses EtBr. For even better cloning results use SafeView Plus™ with blue light.

Application Details

Application Notes: Safe Detection of dsDNA, ssDNA and RNA in agarose and polyacrylamide gels. Both SafeView™ Classic and SafeView Plus™ will work with blue light.

Comment: 1. Prepare staining solution by diluting SafeView Plus™ 1:5,000 - 1:10,000 in TE, TAE or TBE buffer.
2. After performing electrophoresis, place the dye-free gel in a plastic container and cover with

Application Details

the staining solution. Ensure the box is covered to protect the contents from light. Agitate gently and incubate at room temperature for 10 - 40 minutes.

3. No destaining is required - visualize results directly under UV light.

4. The staining solution may be reused up to 4 times. Keep stored at 4°C and protected from light. Do not store the solution in glass containers, as these surfaces adsorb the dye in the solution, reducing the staining efficacy

Restrictions: For Research Use only

Handling

Handling Advice: Dispose of SafeView™ Plus as you would any other non-carcinogenic fluorescent dye (eg. Acridine orange, Propidium iodide).

Storage: 4 °C

Storage Comment: Store at 4°C for up to 2 years. Ships on blue ice.

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)