

Datasheet for ABIN4219136

## SafeView™ Classic

### 8 Publications

#### Overview

Quantity: 1 mL

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

#### Product Details

**Purpose:** SafeView™ Classic 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: 0.1-0.3 ng DNA per band

**Characteristics:** Easy to Use: SafeView™ Classic directly replaces EtBr. View and document your results as you would with EtBr staining. SafeView™ Classic can be viewed under UV light or blue light.  
Safe: Non-carcinogenic.  
Sensitive: Detect as little as 0.1 - 0.3 ng of DNA per gel band.  
Unique: SafeView™ Classic is the only nucleic acid stain that can differentiate DNA and RNA in gels, by staining DNA green (max emission 520 nm) and RNA red (max emission 635 nm).

#### Application Details

**Application Notes:** Optimal working dilution should be determined by the investigator.

**Comment:**

1. Prepare a 100 ml agarose or polyacrylamide solution.
2. Add 5 µl SafeView™ Classic / SafeView™ FireRed to the gel solution.
3. Mix gently, the solution should have no air bubbles.
4. For agarose gel, let the solution cool down to 60-70°C and cast the gel. For polyacrylamide

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## Application Details

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- gel, add APS and TEMED and cast the gel according to regular polyacrylamide gel casting protocol.
5. Run gel electrophoresis with 5 µl SafeView™ Classic / SafeView™ FireRed per 100 ml buffer.
  6. View the results under UV or blue LED light.

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Restrictions: For Research Use only

## Handling

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

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Storage: 4 °C

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

## Publications

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