

## SafeView Classic Nucleic Acid Stain

---

Catalog	Unit
TBS6110	1.0 ml

### **Description**

SafeView Classic is a new and safe class of nucleic acid stain for the visualization of double-stranded DNA, single-stranded DNA, and RNA in agarose gels. The dyes are developed to replace Ethidium Bromide (EtBr, a potent mutagen), commonly used in gel electrophoresis for visualization of nucleic acids in agarose gels. SafeView Classic is non-carcinogenic by the Ames-test. The results are negative in both the mouse marrow chromophilous erythrocyte micronucleus and mouse spermary spermatocyte chromosomal aberration tests. SafeView Classic is used the same way as EtBr in agarose gel electrophoresis. This stain emits green fluorescence and has an excitation of 514 nm and emission of 533 nm.

### **Component**

Product	Concentration	Format	Quantity
SafeView Classic	10,000X	Pre-cast or Post-stain	1.0 ml

Store at 18-25°C.

### **Protocol**

#### **Pre-casting gels**

1. Prepare agarose gel solution and cool to cool to 60-70°C.
2. Add 10 µl SafeView Classic per 100 ml molten agarose, mix gently to avoid bubbles, and cast the gel.
3. Load samples and run gels according to your standard protocol.
4. View the results under blue LED light (optimal) or UV light (weaker).
5. Store unused gels in a sealed container away from light for up to 1 week.

#### **Post-staining gels**

1. Prepare agarose gel solution and cool to 60-70°C. Run unstained agarose gel according to your standard protocol.
2. Submerge the gel in post-staining solution of 30 µl SafeView Classic per 100 ml 1X TAE or 1X TBE buffer.
3. Agitate the gel gently at room temperature, protected from light for 30 minutes.
4. View the results under blue LED light (optimal) or UV light (weaker).
5. Store leftover staining solution in a sealed container at room temperature, protected from light for up to 1 week.

**For research use only**