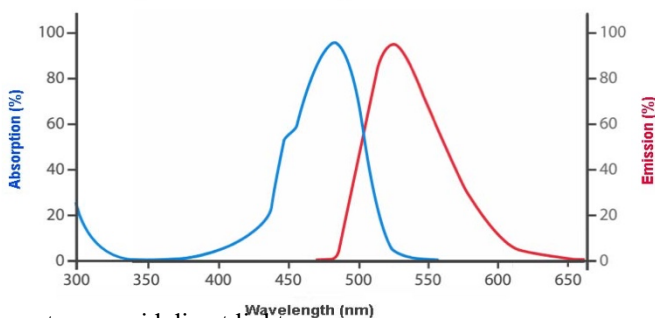


Catalog No.: C138
Product Name: DNA SafeStain
Size: 2000µl (2x 1000 µl/tube)
Concentration: 10,000X

Description: DNA SafeStain is safe nucleic acid staining dye for the visualization of double-stranded DNA, single-stranded DNA, and RNA in agarose gels. The dye is developed to replace Ethidium Bromide (EtBr), a potent mutagen, commonly used in research labs for gel electrophoresis. DNA SafeStain is non-carcinogenic by the Ames test. DNA SafeStain emits green fluorescence when bound to DNA. It has two excitation wavelength peaks when bound to nucleic acid, at 290nm and 490nm. The emission wavelength for the DNA SafeStain is 530nm.

Figure 1. Fluorescence excitation and emission of DNA SafeStain.



Storage: Store at 4°C or room temperature; avoid direct light.

User Instruction: DNA SafeStain can be used in the exact same way as EtBr in agarose gel electrophoresis. For example, add 10µl to 100ml agarose gel.

- Special Notes:**
1. For convenience, you can dilute the DNA SafeStain 10,000 times with the gel running buffer, and use this dye-containing running buffer to make and run the agarose gel.
 2. As is the case with EtBr; add more DNA SafeStain, if brighter DNA bands are desired.
 3. Consult and follow your institution's specific regulations for chemical disposal.

To view the results, any conventional DNA gel viewing light box or gel documentation system should work well with the DNA SafeStain; although, using a LED blue light instead of a UV light source is preferred due to the harmful nature of UV light.

Related Products: Cat. No.

100bp DNA Ladder	M107
1Kb DNA Ladder II	M108
100bp Plus DNA Ladder	M111
Pre-SafeStained 100bP DNA Ladder	M3002
Pre-SafeStained 1Kb DNA Ladder	M1008

This Product is For
Research Use Only

