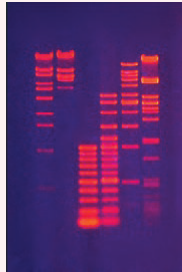


Nucleic Acid Dye

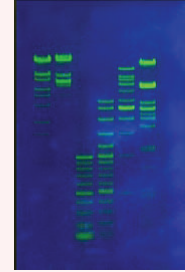
Safer than EtBr!

More Sensitive than EtBr or SYBR® Green!



ViSafe Red Gel Stain

ViSafe Green Gel Stain



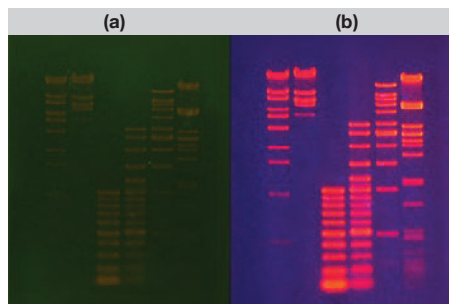
ViSafe Red Gel Stain & ViSafe Green Gel Stain

ViSafe Red Gel Stain and **ViSafe Green Gel Stain** are stable, sensitive and environmentally safe fluorescent nucleic acid dye for staining double-stranded DNA (dsDNA), single-stranded DNA (ssDNA) or RNA in agarose gels or polyacrylamide gels.

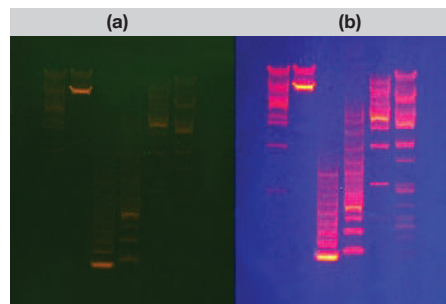
Both green/red gel stain and EtBr have the same spectra, so the **ViSafe Red/Green Nucleic Acid Stain** able to replace Ethidium Bromide (EtBr) without changing existing imaging system. **ViSafe Red/Green Nucleic Acid Stain** is designed to replace the highly toxic ethidium bromide (EtBr). The dye is confirmed by Ames test results that it is impenetrable to latex gloves and cell membranes. By using the suggested working concentrations in gel staining, the dye is proven unable to cross cell membranes; and it is noncytotoxic and nonmutagenic at working concentrations.

Features

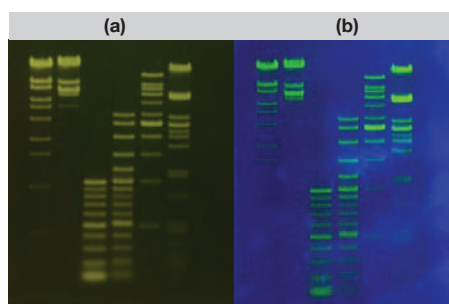
- **Safer**
Noncytotoxic & nonmutagenic shown by Ames tests.
- **Higher sensitivity**
More sensitive compared to EtBr or SYBR® Green Nucleic Acid Stain.
- **Extremely stable**
Stable at room temperature for long-term storage. Stable to be microwaved or heated. The working solution is stable at room temperature when kept in dark.
- **Wide application**
Suitable to stain dsDNA, ssDNA and RNA. Suitable to use in agarose gel or polyacrylamide gel. Compatible with down-stream applications, such as gel recovery and cloning.
- **Easy staining protocols**
Easy precast gel staining & post-staining procedures.
- **Compatible with most imaging system**
Gel can be viewed with standard UV transilluminator, visible light gel reader, or other gel imaging system.



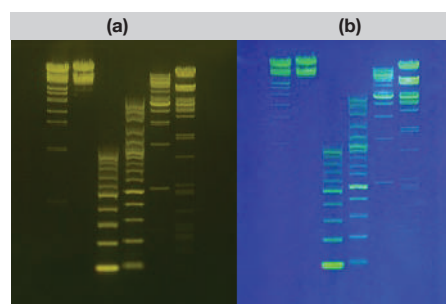
Post-staining for Agarose Gel
Figure 1: Various ladders and markers run at 1.5% TBE agarose gel. The agarose gel is post-stained with ViSafe Red Gel Stain. The gel is visualized using transilluminator with (a) blue light; (b) UV light.



Precast for Agarose Gel
Figure 2: The agarose gel is pre-stained with ViSafe Red Gel Stain. Various ladders and markers run at 1.5% TBE pre-stained agarose gel. The gel is visualized using transilluminator with (a) blue light; (b) UV light.



Post-staining for Agarose Gel
Figure 1: Various ladders and markers run at 1.5% TBE agarose gel. The agarose gel is post-stained with ViSafe Green Gel Stain. The gel is visualized using transilluminator with (a) blue light; (b) UV light.



Precast for Agarose Gel
Figure 2: The agarose gel is pre-stained with ViSafe Green Gel Stain. Various ladders and markers run at 1.5% TBE pre-stained agarose gel. The gel is visualized using transilluminator with (a) blue light; (b) UV light.

Ordering Information: ViSafe Green Gel Stain (10000X in water), 500µl/pack, Cat. No. SD0101
ViSafe Red Gel Stain (10000x in water), 500µl/pack, Cat. No. SD0103