

# MaestroSafe<sup>TM</sup> Nucleic Acid Stains (loading dye)

Store at 4°C

Cat. No.	Description	Quantity
MR-031201	MaestroSafe <sup>TM</sup>	1.0ml

## Product Description

MaestroSafe<sup>TM</sup> products represent a new and safe class of nucleic acid stains for visualization of double-stranded DNA , single-stranded DNA , and RNA in agarose gels. The dyes are developed to replace toxic Ethidium Bromide (EtBr , a potent mutagen) , commonly used in gel electrophoresis for visualization of nucleic acids in agarose gels.

MaestroSafe<sup>TM</sup> products are 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.

## MaestroSafe – Substitute for loading dye

With MaestroSafe<sup>TM</sup> dyes , you do not need to add any dyes to both gel matrix and running buffers. MaestroSafe<sup>TM</sup> dyes are provided in a form of 6X sample loading dyes and they are to be added to your samples only. The MaestroSafe<sup>TM</sup> dyes completely eliminate any possible contamination of glassware or gel running tank as associated with EtBr. After the electrophoresis , view and document your results as you would do with EtBr staining protocols.

## Protocol

1. Prepare a 100ml agarose solution.
2. Mix gentle without having any air bubbles.
3. Let the solution cool down to 60-70°C and cast the gel.
4. Mix samples and DNA markers with a MaestroSafe<sup>TM</sup> dye at 1:10 dilution rate.
5. View the results under traditional UV light after electrophoresis.
6. Or use non -hazardous UltraBright or UltraSlim LED transilluminator for not only good performance but also your health concerns .

For laboratory only. Not for clinical applications.

PRODUCT DATASHEET

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