

# MaestroSafe™ Prestained Nucleic Acid Stains

Store at 4°C

Cat. No.	Description	Quantity
MR-031203	MaestroSafe™ Prestained stains	1ml

## Product Description

**MaestroSafe™** 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™** 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 – Prestained with agarose

With **MaestroSafe™** pre-stained dyes , you do not need to do post-stain or pre-mix with agarose gel. All you need to do is mix MaestroSafe pre-stained dye with agarose in process of preparation and run electrophoresis normally. After the electrophoresis, view and document your results as you would do with EtBr staining protocols.

## Protocol

1. Prepare a 100ml agarose solution.
2. Heat solution until particles disappeared.
3. Add 1.5~2µl MaestroSafe pre-stained dye into solution and mix gently.
4. Let the solution cool down to 60-70°C and cast the gel.
5. Load samples into well and perform electrophoresis.
6. View the results under traditional UV light after electrophoresis.
7. 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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