

**Cat. No. : MR-031203**

**Description: MaestroSafe™**

**MaestroGen Inc.**

[www.maestrogen.com](http://www.maestrogen.com)

**Prestained Stains**

**Volume: 1 ml**

**Storage: 4 °C**

**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 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 1.5~2ul 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 helth concerns

For laboratory only. Not for clinical applications.