

Product Information
DNA Safe Stains

Catalog No.: 40801

Product Name: DNA Safe Stains

Description

DNA Safe Stains is a safe nucleic acid stain to replace traditional ethidium bromide (EtBr, a potent mutagen) for detecting double-stranded DNA, single-stranded DNA, and RNA in agarose gel. It emits green fluorescence when bound to dsDNA and red fluorescence when bound to ssDNA or RNA. DNA Safe Stains products are non-carcinogenic by the Ames-test (negative results in both mouse marrow chromophilous erythrocyte micronucleus and mouse spermary spermatocyte chromosomal aberration tests).

Package size

1 mL

Storage

4°C

Protocol

1. Prepare hot melting agarose gel solution (concentration from 0.5-2.5%).
2. Add 1 μ L of DNA Safe Stains to every 20 mL of gel solution. Swirl gently to mix the solution and avoid forming bubbles.
3. Allow the agarose gel to cool until solidified. Load samples on the gel and perform electrophoresis.
4. Visualize the bands under UV illumination.

Note

1. The thickness of gel should be less than 0.5 cm since thick gels may decrease sensitivity.
2. Repeated melting of gels containing DNA Safe Stains may result in low sensitivity.
3. DNA Safe Stains may irritate skin and eyes. Please wear gloves while handling.

For research use only.

Leadgene Biomedical, Inc.

TEL: +886-6-505-2959

Address: Rm. R402, No.12, Nanke 2nd Rd., Xinshi Dist., Tainan City 744, Taiwan

Email: info@leadgene.com.tw

www.leadgene.com.tw

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