

Product Information

FloroSafe DNA Stain, 1ml

C/No. BIO-5170-1ml
Lot No. 1A1010HW1052
Expiry Date 01/2014
Packaging 1 X 1ml
Storage 4°C
Protect from light

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Applications

Non-carcinogenic alternative of Ethidium Bromide.

Description

FloroSafe DNA Stain can be used as a safer alternative compared to the traditional ethidium bromide stain used for DNA and RNA detection in agarose gel. Compared to ethidium bromide, it has low toxicity and mutagenicity.

Note:

FloroSafe DNA Stain is non-carcinogenic, however may cause irritation to eyes and skin. Wear protective gloves when handling.

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Protocol:

Precasting:

- Prepare 100ml of 0.8 – 3.0% agarose gel solution.
- Heat till solution is completely clear.
- Add 4 – 6µl of FloroSafe DNA Stain and mix gently with gel.
- Cool gel to 50 – 60°C and cast gel into gel tray.
- Load samples into solidified gel and perform electrophoresis.
- Detect bands under UV illuminator.

Post-staining:

- For agarose gel less than 0.5cm thickness, 10 – 25µl of the stain should be used per 100ml of buffer
- Staining time is optimized between 5 – 60 minutes; amount of stain varies with gel thickness and concentration of agarose.

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Safety Test Report

Glove Penetration Test:

Latex – Negative
Nitrile – Negative

Ames Test:

Non-mutagenic

Acute Oral Toxicity Test:

Non-toxic

Mouse Bone Marrow Micronucleus Test:

Negative

In vitro Chromosomal Aberration Test:

Negative

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