

HiQ goRed

DNA loading dye (6x)

Cat No.	Pack Size
A0005	1×1ml
A0006	5×1ml

Product description

HiQ goRed is a non-mutagenic fluorescent reagent that produces instant visualization of DNA bands upon Blue Light or UV illumination of agarose gels. Supplied in BioD's 6X DNA Loading Buffer, HiQ goRed is used to preparing DNA markers and samples for loading on agarose. HiQ goRed is the most sensitive stain available for detecting double-stranded DNA. It contains three tracking dyes for visually tracking the DNA migration during the electrophoresis process. It is ideal for the environment requiring a safe, non-hazardous alternative to Ethidium Bromide.

Protocol

- 1 Prepare agarose gel using your standard protocol.
- 2 Vortex HiQ goRed for 10seconds prior to use.
- 3 Dilute 1volume HiQ goRed with 5volumes DNA sample and mix.
- 4 Load samples and run the gels using your standard protocol.
- 5 After the electrophoresis, place on the UV transilluminator to immediately visualize bands.

Downstream Applications

DNA stained with the HiQ goRed is compatible with a variety of downstream applications including PCR amplification, sequencing, ligation reactions and transformation procedures.

Note

Safe: Absence of mutagenity and low toxicity as compared to Ethium Bromide.

Low Environmental Impact: Compliance with the Clean Water Act standards. No water pollution concern.

Sensitivity: High degree of sensitivity as Ethium Bromide.

Economic: Non-hazardous product; No expenses required for the waste management.

Convenience: Ready to Use; Same application procedures as the 6X Loading Buffer.

Speed: No de-staining requirement, low background value, and image displayed after coupling with the nucleic acid.

Compatibility: Use the Blue Light or UV to detect the signal; Broad compatibility range.

Storage and stability

- Store at 4°C up to 12months. For longer periods, store at -20°C.
- HiQ goRed is light sensitive and should be stored protected from light.