

HiQ™ goRed (6x)

Cat No.	Pack Size
HQM22001	1x1mL
HQM22005	5x1mL

✓ 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 prepare DNA markers and samples for loading on agarose. HiQ™ goRed is the most sensitive stain available for detecting the 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 10 seconds prior to use.
- 3 Dilute 1 volume HiQ™ goRed with 5 volumes DNA sample and mix.
- 4 Load samples and run the gels using your standard protocol.
- 5 After the electrophoresis, place on 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 12 months.
For longer periods, store at -20°C.
- HiQ™ goRed is light sensitive and should be stored protected from light.

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