CelRed nucleic acid gel stain *10,000× concentrate in water*

#Cat: NB-64-46301-100µl Size: 100µl

Chemical Properties

Cas No:
Formula:
Molecular weight:
Appearance: no data available
Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	1) Non-toxicity: The unique oiliness and high molecular weight characteristics of CelRed prevent it from penetrating cell membranes into cells, and Ames test results also show that the mutagenicity of CelRed dye is much less than EB. 2) High sensitivity: suitable for electrophoretic staining of various fragments of different sizes, with less influence on nucleic acid migration than SYBR Green I. 3) High stability: suitable for preparation of agarose gel by microwave or other heating methods; Extremely stable in acid or alkali buffer at room temperature and light resistant. 4) High SIGNal-to-noise ratio: the sample fluorescence signal is strong, while the background signal is low. 5) Simple operation: like EB, the dye does not degrade in the prefabricated gel and electrophoresis process; The dyeing process after electrophoresis takes only 30 minutes without decolorization or washing, and can be directly observed by ultraviolet gel transmission instrument. 6) Wide range of application: pre-electrophoresis staining (gel dyeing) or postelectrophoresis staining (bubble dyeing) is optional; Suitable for agarose gel or polyacrylamide gel electrophoresis; Can be used for dsDNA, ssDNA or RNA staining
In vitro	GelRed for Electrophoresis In Gel Staining (Pre-staining, same method as EB) Prepare a agarose solution and heat till it dissolves. GelRed Nucleic Acid Staining solution is diluted from the GelRed Nucleic Acid Stain 1:10,000 prior to pouring the gel. Since good thermal stability, GelRed can be added directly to hot agarose solution. Shake to ensure being fully mixed flowing by cast the gel, Run gel and view results by UV projector.