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Липецк (4742)52-20-81

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Казахстан (772)734-952-31

<https://cleaver.nt-rt.ru> || cea@nt-rt.ru

Расходные материалы



runSAFE stain 1ml/vial

SKU: CSL-RUNSAFE

- Safe alternative to Ethidium Bromide
- Supplied as a loading dye to be mixed with DNA Samples
- Works with Blue LED illumination to minimise DNA damage

runSAFE is a non-mutagenic fluorescent reagent that produces instant visualization of DNA bands upon Blue Light or UV illumination of agarose gels. Supplied in 6X DNA Loading Buffer, runSAFE is used to prepare DNA markers and samples for loading on agarose or polyacrylamide gels. It is the most sensitive stain available for detecting the double-stranded DNA (dsDNA). It contains three tracking dyes (Bromophenol Blue, Xylene

Cyanol FF, and Orange G) 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

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

SPECIFICATIONS

SKU	CSL-RUNSAFE	CSL-RUNSAFE2000	CSL-RUNSAFE500	CSL-RUNSAFEPLUS500
Size Range	50bp □ 20Kb	500-2000bp	<500bp	>500bp
Tracking dyes	Bromophenol Blue, Xylene Cyanol FF, Orange G	Xylene Cyanol Blue, Orange G	Orange G	Bromophenol Blue, Xylene Cyanol Blue



proBLUE Colorimetric DNA Stain 120ml (10x)

SKU: PROBLUE

Concentrated DNA stain which when used in this form samples can be stained within 5-10 minutes

Agarose electrophoresis of DNA requires a staining step in order to visualise the DNA fragments. This can be done safely using methylene blue solution. Methylene blue binds to negatively charged DNA making DNA visible as blue bands within agarose following electrophoresis.

Methylene blue solution is provided as a 10x concentrate. To use, dilute 10x concentrate by mixing one part of methylene blue with nine parts of water (Eg. 100 ml of 10x concentrate added to 900 ml water).

The 1x methylene blue can then be used for staining of DNA bands within agarose gels. Place your Agarose gel into a small, clean gel-staining tray. Pour sufficient 1x methylene blue stain into a suitable tray in order to cover the agarose gel. Allow to stand until DNA bands become visible within the agarose. This can take up to 16 hours (overnight). Once staining is complete, rinse the agarose gel with clean water. Improved resolution of DNA bands can be achieved by allowing the gel to destain in a new clean trays and cover with clean water. For best results leave for approx 20 minutes on a shaker with a slow shaking motion. Changing the water during the time will also improve the destaining action.

Alternatively, DNA can be stained using 10x methylene blue concentrate. Pour sufficient 10x methylene blue to cover the agarose gel and allow to stand for 5-10 minutes. Once staining is complete, rinse the agarose gel in clean water. Improved resolution of DNA bands can be achieved by allowing the gel to destain in clean water.

Once your gel has been stained and destained you can visualize your bands by placing the gel on a light table or if this is not available place the gel on a white surface.

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