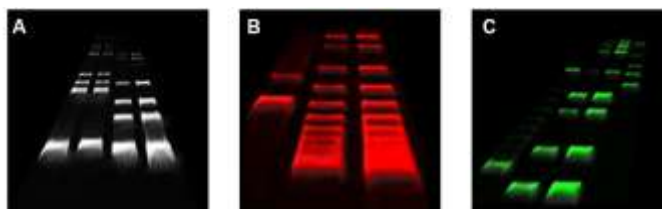




BIO-View™ Nucleic Acid Stains

Product Name	Cat. No.	Quantity
BIO-VIEW, White	EBW001.1	1.0ml
BIO-VIEW, Red	EBR001.1	1.0ml
BIO-VIEW, Green	EBG001.1	1.0ml

Description



BIO-View™ products represent a new and less toxic class of nucleic acid stains for the visualization of double-stranded DNA, single-stranded DNA, and RNA in agarose gels. The dyes are developed to replace Ethidium Bromide (EB, a potent mutagen) commonly used in gel electrophoresis. BIO-View™ products are safer and cause fewer mutations in the Ames-test. It is negative in both the mouse marrow chromophilous erythrocyte micronucleus and mouse spermary spermatocyte chromosomal aberration tests. BIO-View™ dyes are as sensitive as ethidium bromide and are used in combination with loading dyes. With BIO-View™ dyes, you do not need to add any dyes to either the gel matrix or the running buffers. BIO-View™ dyes are provided in the form of 6X sample loading dyes and require only that you mix your samples with it. This completely eliminates any possible contamination of glassware or gel running tanks as with EB staining. After electrophoresis, view and document your results as you would with EB staining dye.

Protocol

1. Prepare a 100ml agarose solution.
2. Mix gently without having any air bubbles.
3. Let the solution cool down to 60-70° C and cast the gel.
4. Mix samples and DNA markers with a BIO-View™ dye (white, red, or green) a 1:5 dilution (dye to sample).
5. View the results under UV light after electrophoresis.

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