



QuickView™

Cat. ARG108
Qty. 1.0 ml



Standard Protocol

1. Prepare a 100 ml agarose or polyacrylamide solution.
2. Add 5 µl QuickView™ Classic to the gel solution.
3. Mix gently; the solution should have no air bubbles.
4. For agarose gel, let the solution cool down to 60 - 70°C and cast the gel. For polyacrylamide gel, add APS and TEMED and cast the gel according to regular polyacrylamide gel casting protocol.
5. Run gel electrophoresis with 5 µl QuickView™ Classic per 100 ml buffer.
6. View the results under UV or blue LED light (Ultra Slim LED Box, Cat.SLB-01W).

Content and Storage

QuickView™

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Contents

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QuickView™1 ml

Description

QuickView™ products represent a new and safe class of nucleic acid stains for the visualization of double-stranded DNA, single-stranded DNA, and RNA in agarose and polyacrylamide gels. The dyes are developed to replace toxic Ethidium Bromide (EB, a potent mutagen), commonly used in gel electrophoresis for visualization of nucleic acids in agarose and polyacrylamide gels.

QuickView™ products are non-carcinogenic by the Ames-test. The results are negative in both the mouse marrow chromophilous erythrocyte micro-nucleus and mouse spermary spermatocyte chromosomal aberration tests.

NOTE: QuickView™ Nucleic Acid Stains are non-carcinogenic, but may cause skin and eye irritations. Always wear gloves when working with the product.

QuickView™ is used the same way as Ethidium Bromide in agarose and polyacrylamide gel electrophoresis. It emits green fluorescence when bound to dsDNA and ssDNA and red fluorescence when bound to RNA. This stain has two fluorescence excitation maxima when bound to nucleic acid, at approximately 290 nm and 490 nm.

Q&A

Question	Answer
How should I visualize the gels after staining?	Gels can be visualized using a standard UV transilluminator or LED illuminator, no additional filters are required although an optional green filter can be used for aesthetic purposes.
How Sensitive is QuickView?	QuickView™, when used for in-gel-staining detects up to 1.5 ng/mm nucleic acid, which is approx. 0.2ng per band, and is therefore as sensitive as Ethidium Bromide. Post-staining with QuickView is slightly less sensitive.
Can QuickView be used to stain DNA/RNA in Acrylamide gels?	QuickView™ can only be used in Agarose gels. For Acrylamide gels we recommend our sister product SafeWhite, this utilises the same technology but in the form of a sample loading buffer.
What if the bands are too faint?	To boost the visibility of bands, QuickView can also be added to the running buffer (5µl per 1 00ml) - alternatively you can post-stain after in-gel staining.
What is the shelf life of QuickView?	QuickView™ can be kept for 1 year at 4 °C.
How should I dispose of QuickView?	QuickView™ contains no substances known to be hazardous to the environment or non-degradable in waste water treatment plants. Dispose of in accordance with local regulations.