



# QuickView™-Green

Cat. ARG108G  
Qty. 1.0 ml

## Content and Storage

|         |                |                              |               |
|---------|----------------|------------------------------|---------------|
| Content | Cat<br>ARG108G | Product<br>QuickView™ -Green | Qty<br>1.0 ml |
| Storage | store at 4 °C  |                              |               |

## Description

QuickView™-Green™ represents a new and safe nucleic acid stain for the visualization of double-stranded DNA and single-stranded DNA 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 micronucleus and mouse spermary spermatocyte chromosomal aberration tests.

## Description

Safe Detection of dsDNA and ssDNA in agarose and polyacrylamide gels.



## Standard Protocol

1. Prepare a 100 ml agarose or polyacrylamide solution.
2. Mix gently without introducing any air bubbles.
3. 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.
4. Mix samples and DNA marker with QuickView™-Green dye at a 1:5 (dye : sample) dilution rate.
5. Following electrophoresis, view the results under UV or blue LED light.

## 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 utilizes 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 100ml) - 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.   |