# NucliStain™

For Nucleic Acid Visualization

national diagnostics

- Easy to Use
- High Sensitivity
- No Expensive Equipment Necessary

National Diagnostics offers an improved method of nucleic acid visualization with the development of NucliStain™. NucliStain is a positive stain concentrate for the rapid detection of double and single stranded DNA and RNA in Agarose and Polyacrylamide gels.

NucliStain is intended as a replacement for the conventionally used ethidium bromide. Its sensitivity is comparable to that of ethidium bromide, with the capability of detecting as little as 50 ng of DNA. However, the NucliStain advantage is that the results are visible under normal lighting conditions. This eliminates the need for expensive visualization equipment such as UV transilluminators, and for the time-consuming photographic recording of gels.

NucliStain is extremely easy to use. Simply pour and dilute. The separated DNA appears as dark blue bands on a light blue background.

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| Order No. EC-730 | |
| NucliStain™ | 25 ml |
| | 4 x 25 ml |

## METHOD OF USE

1. To prepare a working strength solution of NucliStain, add one (1) part of NucliStain concentrate to one hundred (100) parts of distilled water. Mix until the solution is uniform. Prepare sufficient stain solution to fully submerge the gel.

2. Immerse the gel in the stain solution for 20-30 minutes.

3. Immerse the gel in distilled water for 3-4 hours to destain the blue background. Bands can often be visualized minutes after destaining; however, for increased sensitivity, overnight destaining is recommended.

4. If desired, photograph the gel with a yellow-orange filter (i.e. Wratten #8 or #9 filter series A) and a fine-grained panchromatic halftone film (i.e. Kodak T-Max 100).

## For Additional Information and Order Placement:


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