

# Viridi Easy DNA Stain

## Product Description

Catalog # DY6-1

Store at 4 °C, protected from light. Stable for 12 months.

Viridi Easy DNA Stain is one of a new and safe class of nucleic acid stains for the visualization of dsDNA in agarose and polyacrylamide gels. It is formulated to use as a loading buffer for DNA samples.

Viridi Easy emits green fluorescence when bound to DNA. The excitation maximum is in the blue at ~490 nm and the emission maximum is in the green at ~520 nm - ideal for use with the Dark Reader series of blue light transilluminators.

Viridi stains 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.

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

## **Viridi Easy Loading Buffer + Stain Protocol**

1. Add 2  $\mu$ L of Viridi Easy DNA Loading Buffer+Stain to 10  $\mu$ L of DNA samples and mix well.
2. Load the samples onto the gel and run.
3. After electrophoresis, the gel can be immediately viewed on a Dark reader transilluminator. The sensitivity of detection is about 0.5 ng of dsDNA / band.

At higher DNA loads (> 5 ng) there will be some distortions in the migration rates of DNA bands >1500 bp.

Viridi Easy will eventually dissociate from the DNA. Electrophoresis runs will result in fainter DNA bands