



Product Information

STAINS-ALL Molecular Biology Reagent

Product No. **E7762**
Lot 100K3450

[7423-31-6]
(1-Ethyl-2-(3-[1-ethylnaphtho(1,2-d)-thiazolin-2-ylidene]-2-methylpropenyl)naphtho(1,2-d)-thiazolium bromide)
Mol. Wt. 559.6

Product Description

Suitable for differential staining of nucleic acids.
Detected as little as 3 ng (123 BP fragment) of
pBR322/Hae III DNA and 60 ng tRNA.

Preparation Instructions

Stock Stain: 0.1% (w/v) Stains-All in formamide

Staining Solution:

0.005% (w/v) Stains-All
10% (v/v) formamide
25% (v/v) isopropanol
15 mM Trizma[®]-HCl, pH 8.8
65% (v/v) H₂O

Storage

Store at 2-8°C. Store solutions containing Stains-All
protected from light.

Procedure

pBR322/Hae III DNA and tRNA were run on
10-20% polyacrylamide gradient gels. The gels were
stained in the dark overnight at room temperature with
freshly prepared staining solution. Destaining was
accomplished by removing the gel from the staining
solution and exposing it to the light from a light box until
sufficient destaining had occurred. The gels were then
immediately photographed. **Note:** Upon continued
exposure to light the nucleic acid-dye complex will fade
and disappear.

References

1. ISCO Staff, ISCO Tables, 10th edition, p. 35 (1989)
2. Dahlberg, A.E., *et al.*, J. Mol. Biol. **41**, 139 (1969)

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