

THE RIGHT LIGHT

GREEN STAIN

Non-hazardous fluorescent stain
for nucleic acid detection in gels
(10000 X in DMSO)

01.1



GREEN STAIN

TECHNICAL DESCRIPTION

Green Stain (10000X in DMSO) is a versatile and easy-to-use tool for the detection of nucleic acids (DNA and RNA) in electrophoretic gels through pre-electrophoresis gel staining, sample pre-staining and post-electrophoresis gel staining. Bright green fluorescent bands and very low background are its major features, together with high sensitivity and very low toxicity. The nucleic acid-bound Green Stain is efficiently excited at 254 nm and 488 nm; it can also be excited at 312 nm with loss of sensitivity. Detection can be performed with the same instruments used for ethidium bromide and SYBR[®] Green gel staining such as standard UV transilluminator (254 nm) as well as with CCD-camera imaging system or laser-based scanner selecting the SYBR[®] Green filter.

FEATURES

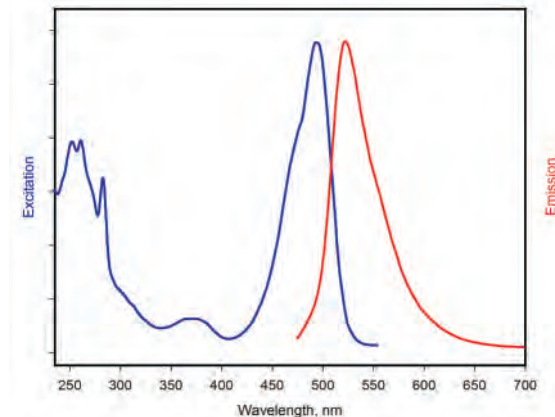
SENSITIVITY: Detection as little as 100 pg of dsDNA per band.

HIGH CONTRAST: Bright green fluorescence with exceptionally low background.

SAFE: Very low toxicity.

EASY TO USE: Substitute your reagent with Green Stain using one of the following protocols:

- pre-electrophoresis gel staining for the highest sensitivity
- sample pre-staining for the best migration results
- post-electrophoresis gel staining for particular protocol needs.

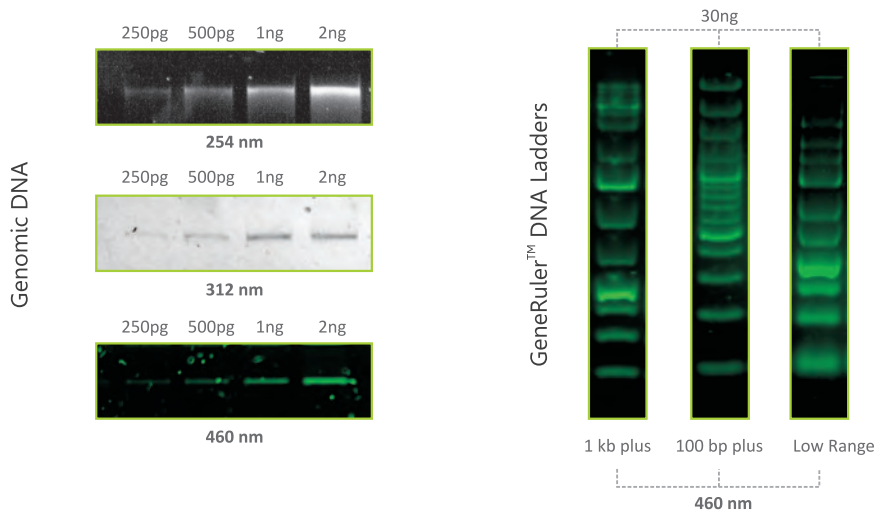


Excitation/emission spectra of Green Stain bound to dsDNA

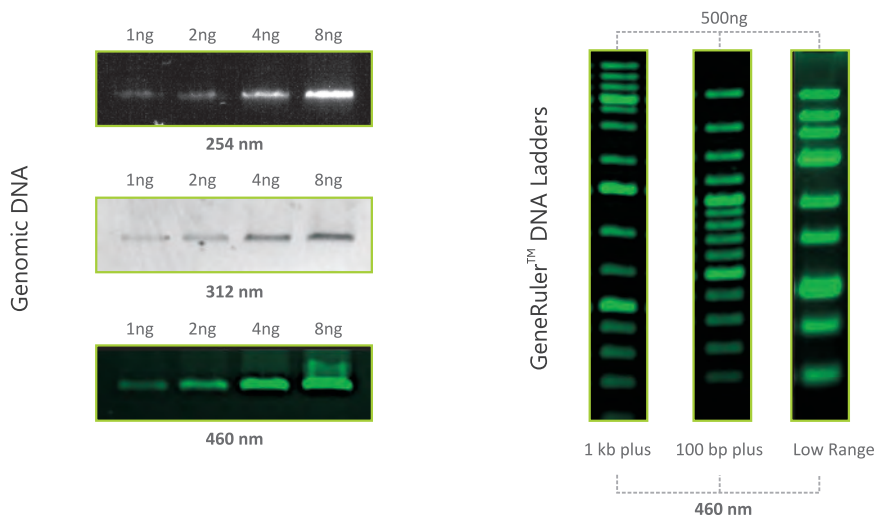
product	cat #	unit size	Cat #
GREEN STAIN 10000 X	NAGS068,0005	0,5 mL	
	NAGS068,001	1 mL	

FIGURES

FOR THE HIGHEST SENSITIVITY: Pre-electrophoresis gel staining



FOR THE BEST DNA MIGRATION: Sample pre-staining



254 nm: standard UV-transilluminator (exposition time 1.6 sec)
 460 nm: GEHC ImageQuant™ LAS 4000 (exposition time 2 sec)
 312 nm: GEHC ImageQuant™ LAS 4000 (exposition time 5 sec)
 GeneRuler™ DNA Ladders are from Thermo Fisher Scientifics.

For further information, visit www.cyanagen.com

CYANAGEN
Reagents for Molecular Biology

GREEN STAIN

Cyanagen srl has a certified Quality System

ISO 9001:2008 QUALITY CERTIFIED

ISO 9001
BUREAU VERITAS
Certification



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