CYANAGEN

Reagents for Molecular Biology

THE RIGHT LIGHT

GREEN STAIN

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

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www.cyanagen.com

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.
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.

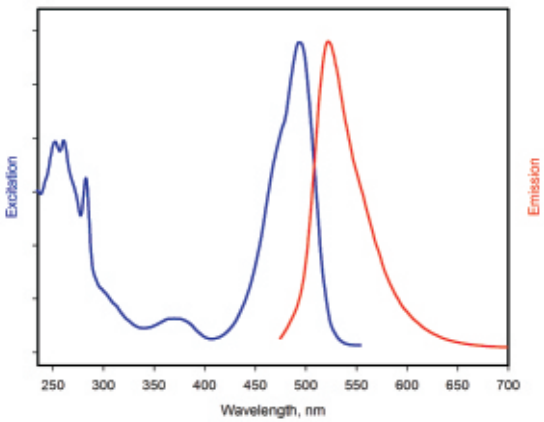
FEATURES

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.



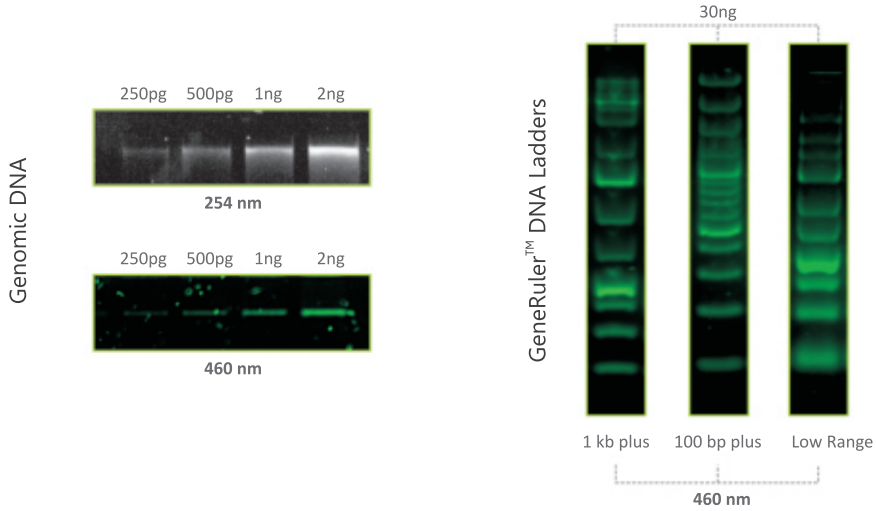
Excitation/emission spectra of Green Stain bound to dsDNA

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

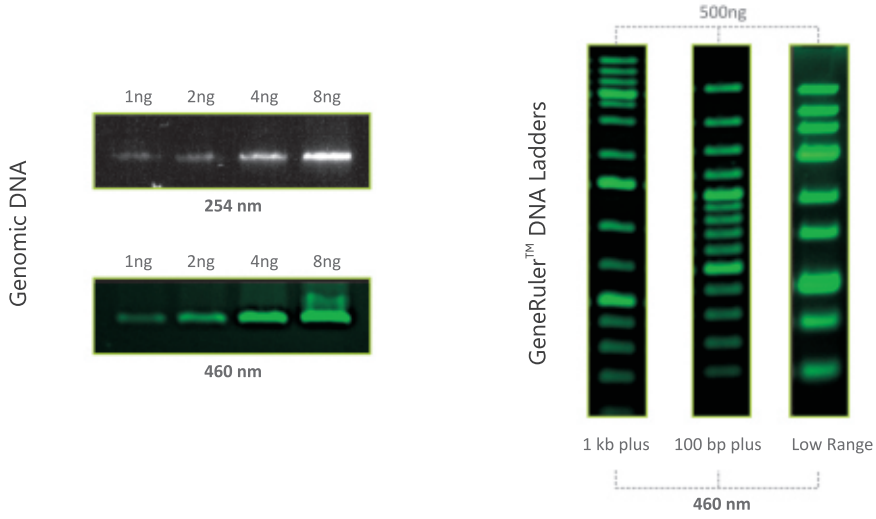
Cat #

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)
GeneRuler™ DNA Ladders are from Thermo Fisher Scientifics.

For further information, visit **www.cyanagen.com**

GREEN STAIN - DNA LOADING DYE

TECHNICAL DESCRIPTION

Green Stain is a bright green fluorescent DNA stain with a very low toxicity.
Green Stain-DNA Loading Dye allows simultaneous staining of DNA and visual tracking of the migration.
Green Stain-DNA Loading Dye is easy-to-use: just add it to the sample before pipetting it into the gel wells.

FEATURES

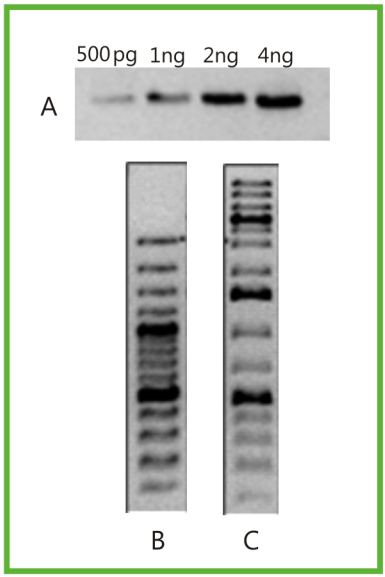
- Very low toxicity

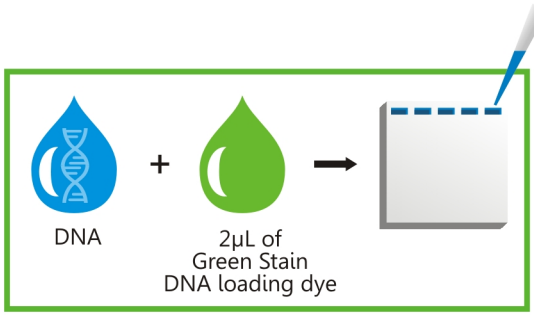
- Ready-to-use kit

- Optimal signal to background ratio

- Simple mix with your DNA sample and load into the gel.

Gel visualization with a standard transilluminator (254 nm), or with a laser- or LED-based imaging system selecting the SYBR® Green filter (460-490).





A) Genomic DNA

B) 200 ng of GeneRuler™ 100 bp Plus DNA Ladder (Thermo Scientific).

C) 200 ng of GeneRuler™ 1 Kb Plus DNA Ladder (Thermo Scientific).

All the samples were stained with Green Stain–DNA Loading Dye and electrophoresed on a 1% agarose gel at 100 V for 60 minutes. Gel visualization was done with GE Healthcare Life Sciences "ImageQuant™ LAS 4000" (460 nm filter), exposition time 2 sec.

product	*cat #*	*unit size*
GREEN STAIN DNA Loading Dye	NAGS116,CLK01	1x1mL
	NAGS116,CLK05	5x1mL

Cat #

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GREEN STAIN

Cyanagen srl has a certified Quality System

ISO 9001:2008 QUALITY CERTIFIED

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