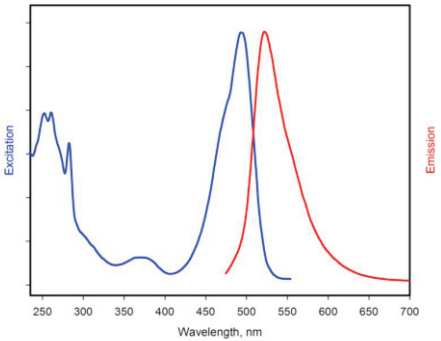

Available in two versions:

GREEN STAIN (10,000X) (cod. NAGS068)
GREEN STAIN –DNA Loading Dye (cod. NAGS116)

Related products

Downloads: http://www.cyanagen.com/downloads/product-manuals#family-8

CYANAGEN
Reagents for Molecular Biology

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CYANAGEN
Reagents for Molecular Biology

THE RIGHT LIGHT

GREEN STAIN

Non-hazardous fluorescent stain
for nucleic acid detection in gels

www.cyanagen.com

TECHNICAL DESCRIPTION

GREEN STAIN is a versatile product line for the detection of nucleic acids (DNA and RNA) in electrophoretic gels. Bright green fluorescent bands and very low background are its major features, together with high sensitivity and very low toxicity.
Two different products are available:
GREEN STAIN(10,000X in DMSO) is a ultra-sensitive fluorescent nucleic acid staining tool. It can be used to stain DNA and RNA with three protocols: pre-and post-electrophoresis gel staining and sample pre-staining.
GREEN STAIN-DNA Loading Dye contains tracking dyes and GREEN STAIN, and can be used for simultaneous staining of DNA and visual tracking of the migration. It is easy-to-use: just add it to the sample before pipetting it into the gel wells.
Gel visualization can be done with a standard transilluminator (254 nm), or with a laser-or LED-based imaging system selecting the SYBR® Green filter (460-490 nm).

FEATURES

Safe
Very low toxicity.
Optimized
High contrast with bright green fluorescence.
GREEN STAIN(10,000X in DMSO)
Sensitive
Detection as little as 100 pgof dsDNA per band
Versatile

- Pre-electrophoresis gel staining for the highest sensitivity
- Sample pre-staining for the best migration results
- Post-electrophoresis gel staining for particular protocol needs.

GREEN STAIN-DNA Loading Dye
Ready to use
Simple mix with your DNA sample and load into the gel

STORAGE CONDITIONS

GREEN STAIN(10,000X)
Protect from light. Store at -20°C
GREEN STAIN-DNA Loading Dye
Protect from light. Store at -20°C, after reconstitution, store at+4°C for 6 months.

QUICK START PROTOCOL

GREEN STAIN(10,000X)
Pre-electrophoresis gel staining
Add Green Stain to the heated gel solution (1:10000 dilution). Mix thoroughly and pour the gel. Perform electrophoresis according to standard procedures.

Post-electrophoresis gel staining
Prepare the staining solution diluiting Green Stain 1:2000 in TE, TBE, or TAE buffers.
Place the gel in the staining solution and incubate at RT for 15–40 minutes with gentle agitation.

Sample pre-staining
Dilute Green Stain 1:100 in TE or TBE buffer and use this working solution as 2X adding it to the DNA sample. Incubate at least for 5 minutes. Perform electrophoresis in TBE or TAE buffers according to standard.

GREENSTAIN-DNA Loading Dye
Prepare the gel. Mix GREEN STAIN–DNA Loading Dye with your DNA sample and load into the gel. Perform electrophoresis according to standard procedure.