



High Sensitivity & Stability
Low Toxicity

LiGreen™ is a sensitive, stable and environmentally safe green fluorescent nucleic acid dye designed to stain either dsDNA, ssDNA or RNA in agarose gels. These next-generation fluorescent nucleic acid gel stains are designed to replace the highly mutagenic ethidium bromide (EB).

EB	LiGreen	LiGreen Plus	LiGreen Ultra	LiGreen Red
Low Sensitivity (~5 ng)	Sensitivity (~2 ng)	High Sensitivity (~0.2 ng)	Ultra Sensitivity (~60 pg)	Sensitivity (~1 ng)
Hazardous	Nonhazardous	Nonhazardous	Nonhazardous	Nonhazardous

Key Features

- Safer than EB: Shown by Ames test and other tests to be non-mutagenic and non-cytotoxic.
- Ultra-sensitive: Much more sensitive than *GelGreen* and *SYBR Safe*.
- Compatible with standard blue LED and UV transilluminators.
- Use with blue light reduces mutagenesis for gel excision and subsequent cloning.

Product Name	Cat. #	Size	Price
LiGreen™ DNA Gel Stain	M0049	1 ml	\$149
LiGreen™ Plus Nucleic Acid Gel Stain	M0050	500 µl	\$119
LiGreen™ Ultra Nucleic Acid Gel Stain	M0051	500 µl	\$149
LiGreen™ Red DNA Gel Stain	M0054	500 µl	\$99
LiGreen™ Landing Dye	M0052	2 ml	\$99
LiGreen™ Red Landing Dye	M0055	2 ml	\$99

Customer Testimonials

"I have been using **LiGreen™ Ultra Nucleic Acid Gel Stain** and dNTPs set (100mM each) more than one years, both products are of excellent quality and are cheaper than other companies, I will continue to use them."

----- NIH/NCI, Dr. Ping Yu, Staff Scientist

Contact Us

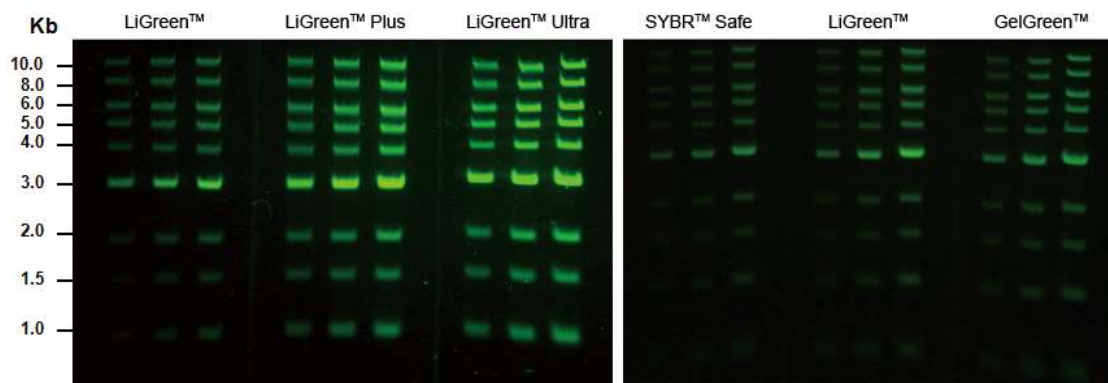
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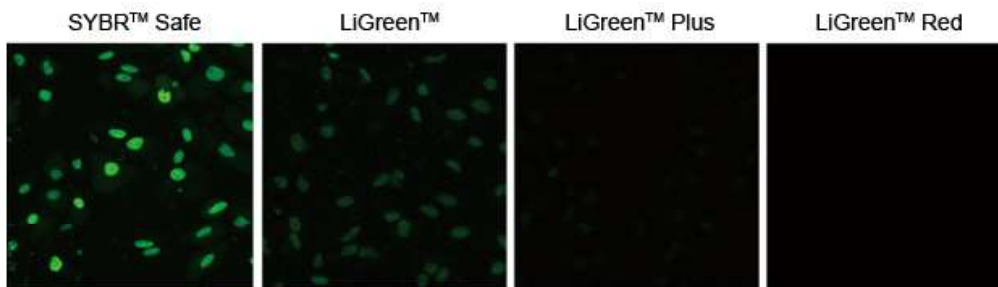
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Case Study



Gel stain results with LiGreen™, LiGreen™ Plus, and LiGreen™ Ultra (Left), and comparison results with SYBR Safe and GelGreen (Right).

Two-fold serial dilutions of a 1 kb DNA ladder were loaded onto each gel in 3 lanes in the amounts of 25 ng, 50 ng and 100 ng (left to right), then post-stained with LiGreen™, LiGreen™ Plus, and LiGreen™ Ultra. Results show LiGreen™ has similar sensitivity with SYBR Safe and GelGreen, LiGreen™ Plus and LiGreen™ Ultra have much better sensitivity.



Cell permeability tests with SYBR Safe, LiGreen™, LiGreen™ Plus, and LiGreen™ Red. HeLa cells were incubated at 37°C with 1× SYBR Safe, LiGreen™, LiGreen™ Plus, and LiGreen™ Red for 30 min. LiGreen™ Plus and LiGreen™ Red could not penetrate cell membranes to bind DNA in living cells, and were much safer than SYBR Safe, which rapidly entered cells and stained nuclei.

Related Products

Product Name	Cat. #	Size	Price
2× LiTaq™ PCR Master Mix	M0024	15 ml	\$229
LiTaq™ Super-Fidelity PCR Master Mix	M0031	1 ml	\$129
dNTP Set (100 mM each)	M0059	4×250 µl	\$129
LiDirect™ Lightning Genotyping Kit	M0015	400 rxns	\$199
2× ExSembly™ Cloning Master Mix	M0005	10 rxns	\$169
LiQuant™ Ultra Green qPCR Master Mix	M0026	500 rxn	\$269
LiScript™ Fast RT Master Mix	M0038	200 rxns	\$399
LiQuant™ NGS dsDNA Assay Kit	M0066	200 rxns	\$129