

LUTOX® Green Ready Stain for Flow Cytometry

<http://www.lumiprobe.com/p/lutox-green-ready-stain>

LUTOX® Green is a green-fluorescent nucleic acid stain used as a nuclear and chromosome counterstain. The dye is impermeant to live cells with compromised plasma membranes, making it a good indicator of dead cells. LUTOX Green exhibits more than 500-fold fluorescence enhancement upon binding nucleic acids with an emission peak of 525 nm. The high brightness of the signal allows the use of LUTOX Green to determine the viability of both eukaryotic and bacterial (Gram-positive and Gram-negative) cells by flow cytometers, fluorometers, fluorescence microscopes, or microplate readers.

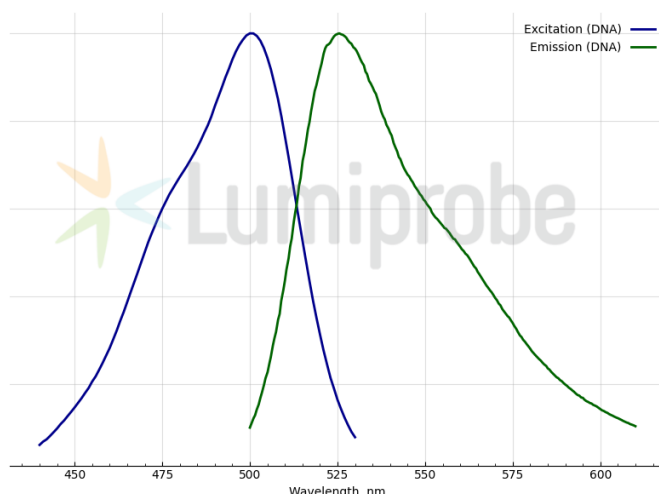
We also offer LUTOX Green as a [5 mM solution in DMSO](#).

Protocol

Step 1: Add 2 drops per 10^6 cells in 1 mL.

Step 2: Incubate for 15 minutes at 25 °C.

Step 3: Proceed with flow cytometry.



Excitation and emission spectra of dsDNA complex with LUTOX® Green

General properties

Appearance:	colorless solution
Quality control:	NMR 1H and HPLC-MS (95+%), functional testing
Storage conditions:	12 months after receipt at 2-8°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm:	500
Emission maximum, nm:	525

