

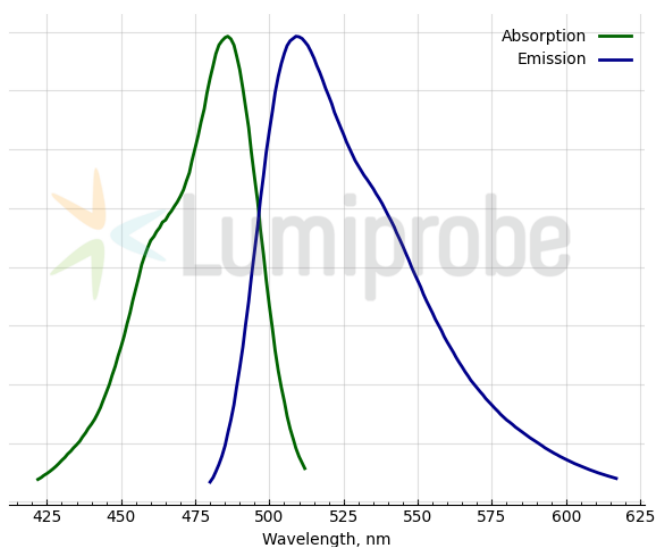
LUCS® 13, green fluorescent nucleic acid stain

<http://cn.lumiprobe.com/p/lucs-13-green-nucleic-acid-stain-syto-13>

LUCS 13 is a cell-permeant nucleic acid stain that exhibits green fluorescence upon binding to nucleic acids. The stain has a high fluorescent yield and a structure identical to SYTO™ 13 stain.

LUCS 13 is used to stain both DNA and RNA in live and dead eukaryotic cells as well as Gram-positive and Gram-negative bacteria. The dye is excited by the blue laser at 488 nm. Its fluorescence emission is detected in the fluorescein channel with a peak at 509 nm when bound to DNA and 514 nm when bound to RNA.

The dye can be used in simultaneous labeling with cell-impermeant nuclear markers, such as [YoDi-3](#), to evaluate cell viability using fluorescence microscopy and flow cytometry.



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