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LUCS® 9, green fluorescent nucleic acid stain

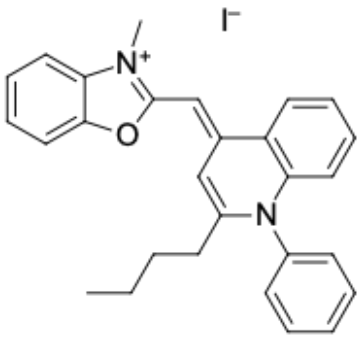
http://cn.lumiprobe.com/p/lucs-9-green-nucleic-acid-stain-syto-9

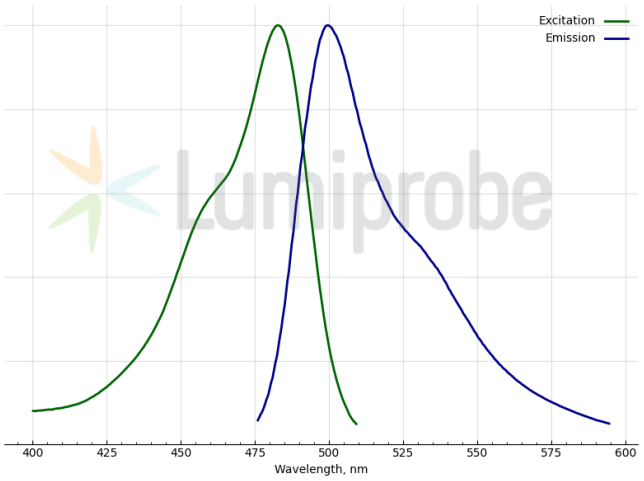
LUCS 9 is a cell-permeant nucleic acid stain that exhibits green fluorescence upon binding to nucleic acids. The stain has a high fluorescent yield and a structure identical to SYTO™9 stain.

LUCS 9 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 485 nm. Its fluorescence emission is detected in the fluorescein channel with a peak at 500 nm when bound to DNA and 504 nm when bound to RNA.

The dye can be used in simultaneous labeling with cell-impermeant nuclear markers, such as YoDi-3, propidium iodide, or 7-AAD to evaluate cell viability using fluorescence microscopy and flow cytometry.

LUCS 9 is especially useful as a counterstain for bacterial assays due to its ability to stain both live and dead Gram-negative and Gram-positive bacteria.





外观:	橙色溶液
分子量:	534.44
分子式:	$C_{28}H_{27}IN_2O$
溶解度:	
质量控制:	
储存条件:	
法律声明:	本产品仅供研究目的提供和销售。 本产品并未经过食品、药品、医疗器械、化妆品等领域的安全性和效力测试，且未经明示或暗示授权用于其他任何用途，包括但不限于体外诊断、人类或动物用途，以及商业用途 。
激发/吸收极大值，纳米:	477 (free), 482 (DNA complex)
发射极大值，纳米:	500 (DNA complex), 504 (RNA complex)