

## LUCS® 9, green fluorescent nucleic acid stain

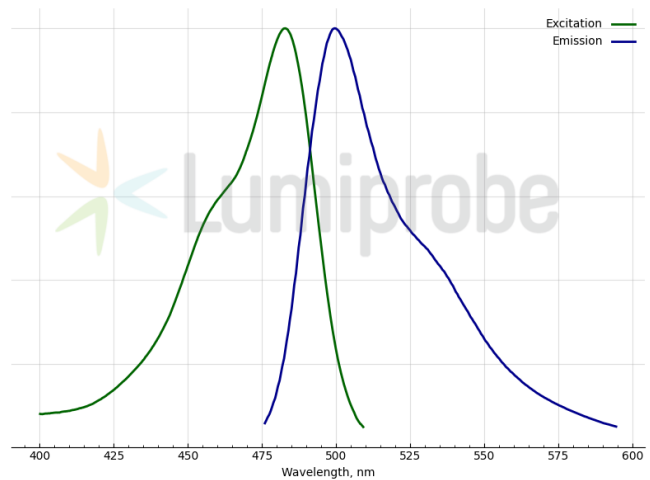
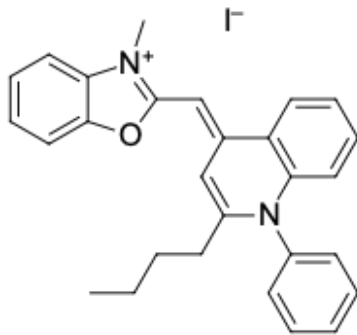
<http://hk.lumiprobe.com/p/lucs-9-green-nucleic-acid-stain-syto-9>

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:	

本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試，且未經明示或暗示授權用於其他任何用途，包括但不限於體外診斷、人類或動物用途，以及商業用途。

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)