

## LUCS® 9, green fluorescent nucleic acid stain

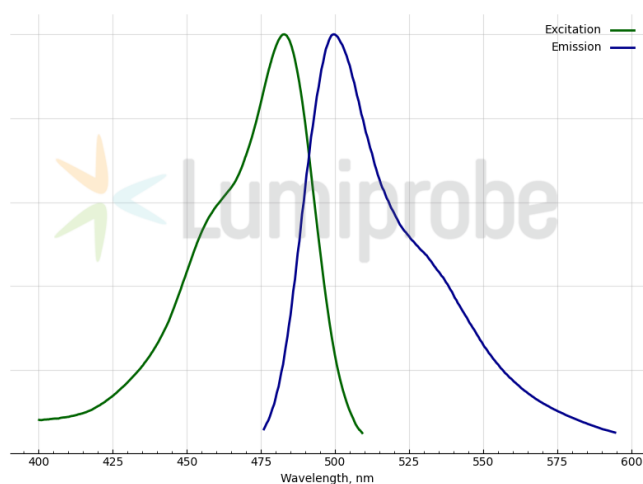
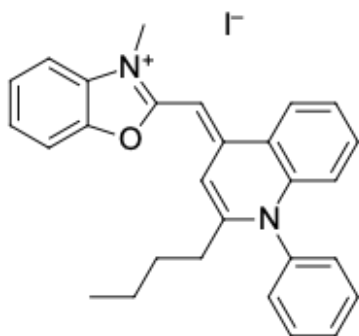
<http://cn.lumiprobe.com/p/lucs-9-green-nucleic-acid-stain-syto-9>

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 橙色溶液  
观:

分子 534.44  
量:

分子  $C_{28}H_{27}IN_2O$   
式:

溶解  
度:

质量  
控  
制:

储存  
条  
件:

法律 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  
声 断、人类或动物用途，以及商业用途。  
明:

激 477 (free), 482 (DNA complex)

发/  
吸收  
极大  
值,  
纳  
米:

发射 500 (DNA complex), 504 (RNA complex)

极大  
值,  
纳  
米: