

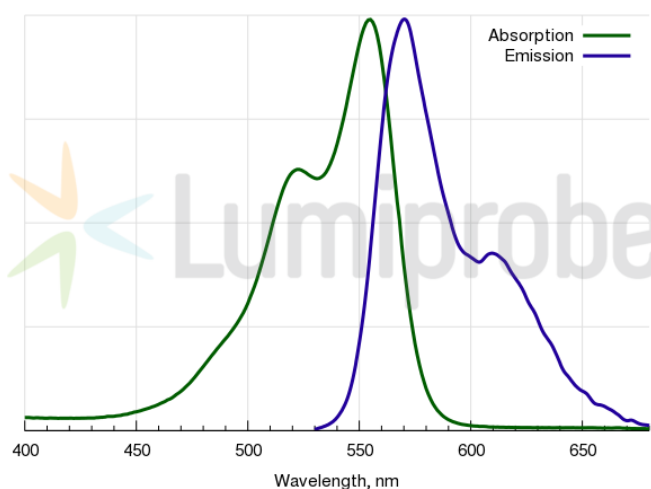
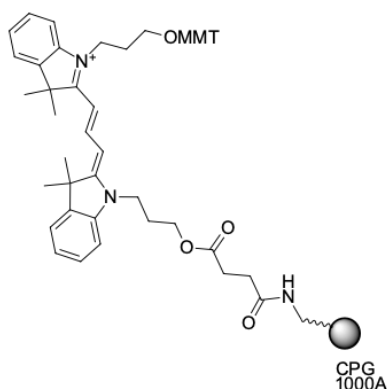
## Cyanine3 CPG 1000

<http://cn.lumiprobe.com/p/cy3-cpg-1000>

Cyanine3 CPG 1000 is a controlled-pore glass (CPG) with a Cyanine3 dye covalently attached via a linker. The support is intended for the automated solid-phase synthesis of oligonucleotides using the phosphoramidite method. Its use allows for obtaining an oligonucleotide with a fluorescent label at the 3'-end without additional post-synthetic labeling steps.

The pore size of 1000 Å is optimal for synthesizing long oligonucleotide chains, up to 120 nucleotides in length. Cyanine3 (Cy3®) is a bright fluorescent dye in the orange-red spectral region with an absorption maximum at 555 nm and an emission maximum around 570 nm.

Oligonucleotides synthesized using this reagent can be used in molecular biology methods such as real-time PCR (qPCR), fluorescent *in situ* hybridization (FISH), FRET, and surface-enhanced Raman spectroscopy (SERS).



外观:

质量控制 NMR <sup>1</sup>H, 和加载测量, 寡核苷酸合成中的功能测试

制:

储存条

法律声 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

明: 断、人类或动物用途, 以及商业用途。

激发/吸 555

收极大

值, 纳

米:

ε, 摩尔 150000

吸光系

数, cm<sup>-1</sup>

发射极

大值,

纳米:

荧光量

子产率:

CF<sub>260</sub>: 0.04

CF<sub>280</sub>: 0.09

孔径大

小, 埃:

典型载

荷, nm<sup>2</sup>

偶联条

件:

切割条

件:

解保护

条件: