

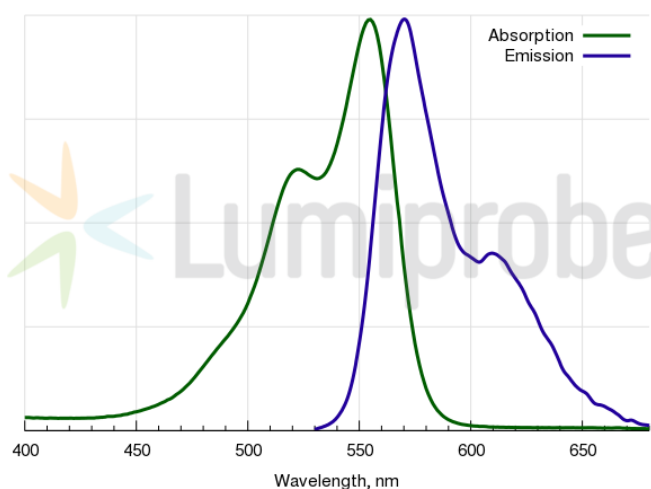
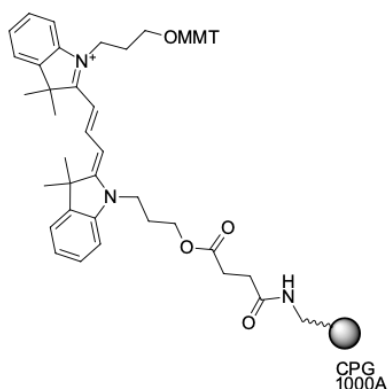
## Cyanine3 CPG 1000

<http://hk.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, 和加載測量, 寡核苷酸合成中的功能測試

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: 555

ε, 摩尔吸光系数, cm<sup>-1</sup>: 150000

发射极大值, 纳米: 570

荧光量子产率: 0.31

CF<sub>260</sub>: 0.04

CF<sub>280</sub>: 0.09

孔径大小, 埃: 1000

典型载荷, umol/g: 25-40

偶联条件:

切割条件:

解保护条件:

Cy3® 是 GE Healthcare 的商標。