

DusQ 1 CPG 1000

<http://hk.lumiprobe.com/p/dusq-1-cpg-1000>

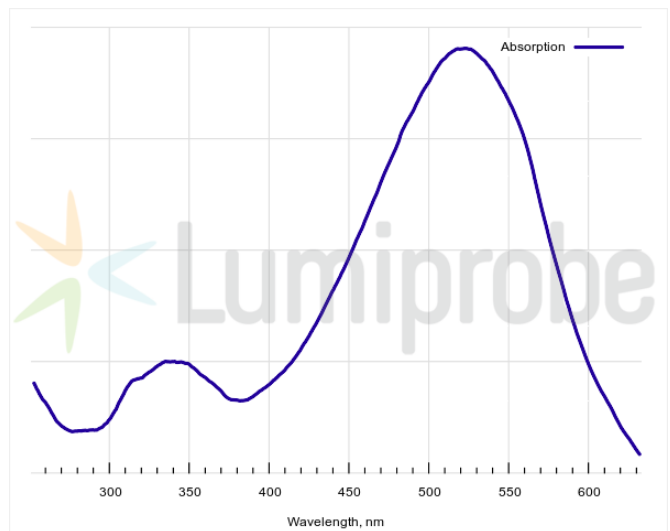
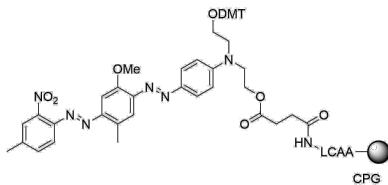
This support with a pore size of 1000 Å is intended for the automated synthesis of oligonucleotides of up to 120 bases in length modified with DusQ1 dark quencher at the 3' end.

Non-fluorescent DusQ1 quencher exhibits the strongest absorption within the range of 480 to 580 nm; its absorption maximum is at 534 nm. It is suitable for quenching (a combination of static and dynamic quenching) of many fluorophores, including Biosearch Blue™, Marina Blue™, Edans, Bothell Blue, FAM™, JOE™, VIC™, R6G, HEX™, TET™ and Yakima Yellow™. It can be used for the synthesis of hybridization probes such as TaqMan, Molecular Beacon, Scorpion.

Usage

Coupling: Standard conditions identical to normal nucleobases.

Deprotection: 2 hours at room temperature using concentrated ammonia or 10 min at 65 °C using AMA mixture, concentrated aqueous ammonia/40% methylamine (1:1). Deprotection conditions depend on oligonucleotide composition and nucleobase protecting groups, as well as additional modifications, if present.



外观:

质量控制:

储存条件:

激发/吸收极大值, 纳米: 522

ϵ , 摩尔吸光系数, cm^{-1} : 27300

CF_{260} : 0.17

CF_{280} : 0.10

孔径大小, 埃: 1000

典型载荷, $\mu\text{mol/g}$: 30–50