

## DusQ 1 CPG 1000

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

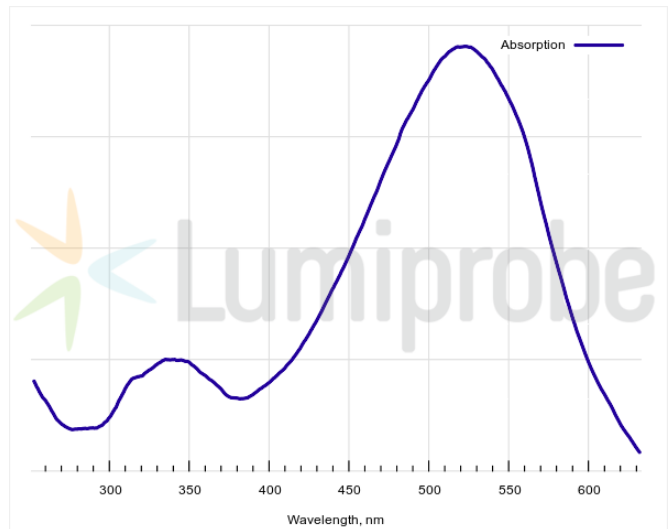
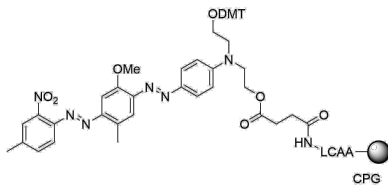
This support with a pore size of 1000 Å is intended for the automated synthesis of oligonucleotides of up to 120 bases in length modified with DusQ1 dark quencher at the 3' end.

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

$\epsilon$ , 摩尔吸光系数,  $\text{cm}^{-1}$ : 27300

$\text{CF}_{260}$ : 0.17

$\text{CF}_{280}$ : 0.10

孔径大小, 埃: 1000

典型载荷,  $\mu\text{mol/g}$ : 30–50