

## DusQ 2 CPG 500

<http://cn.lumiprobe.com/p/bhq2-cpg>

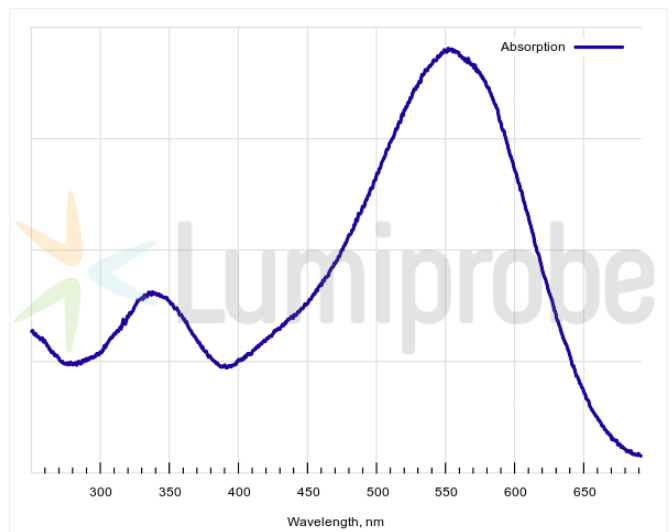
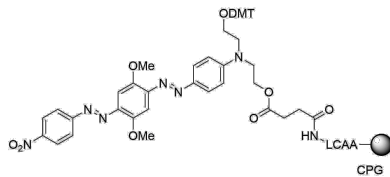
This support is intended for automated synthesis of oligonucleotides with 3'-terminal DusQ 2 quencher. Pore size of 500 Å is recommended for the synthesis of oligonucleotides of up to 50 bases in length.

DusQ 2 is a fluorescence quencher with absorption within the range of 560 to 670 nm. It is ideal for effective FRET quenching of fluorophores with emission in this range. The quencher is also used in hybridization probes with static and combined quenching. Its quenching effectiveness does not depend very much on overlapping of fluorophore and quencher spectra, thus allowing for effective quenching of the broad spectrum of fluorophores, including those with emission in the red and far-red part of the spectrum. Thus, DusQ 2 can be used with such fluorophores (including but not limited to) as Cyanine3, TAMRA, ROX, Cyanine3.5, Quasar<sup>®</sup> 570, Pulsar<sup>®</sup> 650, Cyanine5, Quasar<sup>®</sup> 670, Cyanine5.5, and Quasar<sup>®</sup> 705.

## 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: 552

CF<sub>260</sub>: 0.31

CF<sub>280</sub>: 0.26

孔径大小, 埃: 500

典型载荷, umol/g: 50-80