

Lumiprobe Corporation

115 Airport Dr Suite 160 Westminster, Maryland 21157

USA

Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

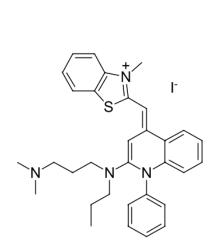
dsGreen® for Real-Time PCR, 100×

http://www.lumiprobe.com/p/dsgreen-realtime-pcr

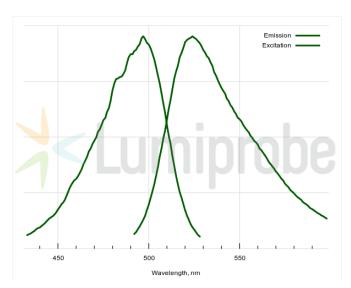
dsGreen® is a very sensitive dsDNA detection dye. High sensitivity, and high selectivity for dsDNA allow to use dsGreen as a universal dsDNA detection reagent for qPCR. No need to use labeled probes to detect amplification with dsGreen – unlabeled primers are sufficient.

Unlike other preparations of dsGreen provided by Lumiprobe for gel staining purposes, this formulation is specially designed to be used in real-time PCR experiments. Specific features are:

- Concentration of the dye is optimized for qPCR and carefully adjusted for reproducible results from lot to lot
- PCR tested preparation quality guaranteed
- Low fluorescence background high fluorescence intensity gain



dsGreen structure



Excitation and emission spectra of dsDNA complex with dsGreen

General properties

Appearance: light orange solution

Quality control: NMR ¹H, HPLC-MS (95%), PCR testing

Storage conditions: Storage: 24 months after receival at -20°C in the dark. Transportation: at room

temperature for up to 3 weeks. Avoid prolonged exposure to light.

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for

safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food

or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm: 490 ϵ , L·mol⁻¹·cm⁻¹: 73000 Emission maximum, nm: 524 Fluorescence quantum yield: 0,8