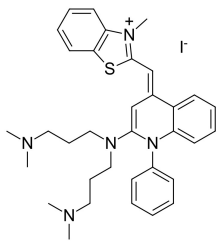


Pico488 dsDNA Quantification Reagent (A270242)

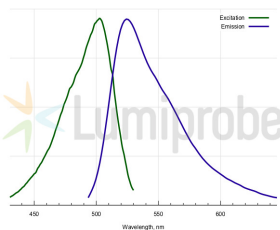
Specifications:

| | |
|--------------------|--|
| Name: | Pico488 dsDNA Quantification Reagent |
| Description: | Pico488 is a DNA binding benzothiazole dye whose structure is identical to PicoGreen®. This reagent is a 200X solution in DMSO. The dye is a fluorescent sensor that is specific for double stranded DNA (dsDNA). Its absorption and emission in the fluorescein channel can be easily detected using cuvette fluorometers, well plate readers, and by dedicated DNA measurement fluorometers like Qubit®. The dye exhibits a linear response of fluorescence to dsDNA concentrations in the range of low pg/ml to high ng/ml. A pre-prepared reaction kit including quantification dye is also available. |
| Absorption Maxima: | 503 nm |
| Emission Maxima: | 526 nm |
| Formulation: | Supplied in DMSO. |
| Product Form: | Orange solution. |
| Storage: | Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate. |
| Disclaimer: | This product is for research use only. It is not intended for diagnostic or therapeutic use. |

Images:



Structure of Pico488 (PicoGreen®).



Pico488 (Pico Green) excitation and emission spectra.