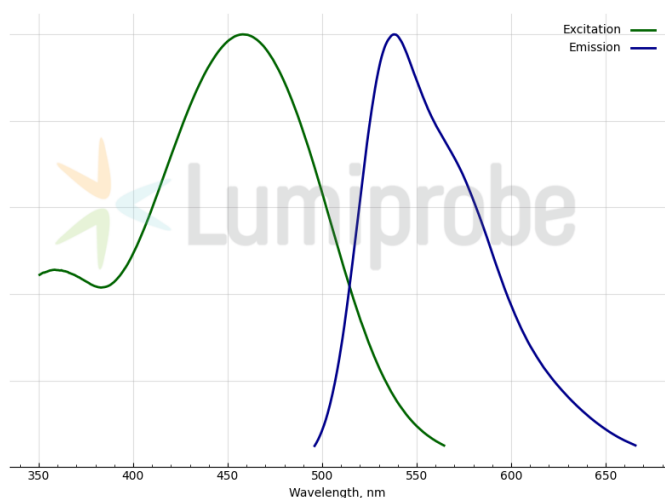


CCK-8, cell proliferation assay

<http://www.lumiprobe.com/p/cell-counting-kit-8-cck8>

Cell Counting Kit 8 (CCK-8) is a sensitive colorimetric assay used in biomedical research to determine cell viability, proliferation, and cytotoxicity. It works by employing the highly water-soluble tetrazolium salt, [WST-8](#), which is reduced by intracellular dehydrogenases in live cells into a water-soluble, orange-colored formazan dye. The intensity of this color, measured by a microplate reader at a specific wavelength (around 450 nm), is directly proportional to the number of metabolically active cells.

The CCK-8 assay offers ease of use, minimal toxicity, and enhanced sensitivity compared to tests based on other tetrazolium salts such as MTT, XTT, MTS, or WST-1.



Excitation and emission spectra of WST-8

General properties

Appearance:	red liquid
Quality control:	NMR ^1H and HPLC-MS (95+%), functional test
Customs commodity code:	12 months after receipt at 0 to 5 °C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
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:	458
Emission maximum, nm:	538