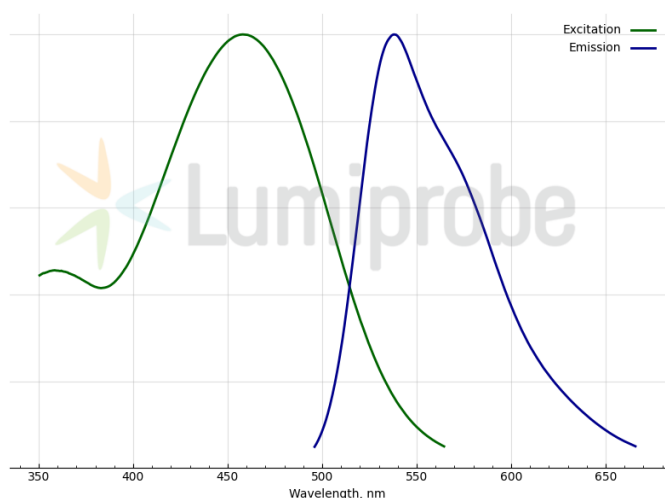


## CCK-8, cell proliferation assay

<http://cn.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.



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