



Lightning-Link™ Cy5 Conjugation Kit Data Sheet

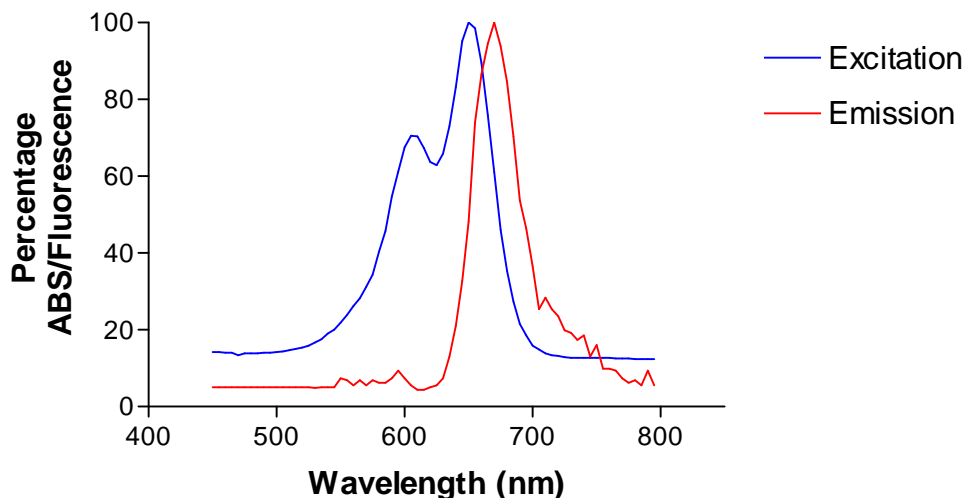
781-0010 and 781-0015

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Technical bulletin 7816

Cyanine dyes are commonly used as fluorescent labels for proteins, nucleic acids and small molecules. Cyanine Dye5 (Cy5) has a strong absorption peak at 643nm and a secondary absorption peak at 605nm. The maximum emission peak is at 667nm, with an excitation coefficient of $2.5 \times 10^5 \text{ cm}^{-1} \text{ M}^{-1}$.

Excitation and Emission Scan of Lightning-Link Cy5



Scan Performed in TBS pH 8.0

Absorbance Max (nm)	Emission Max (nm)	Extinction Coefficient ($\text{cm}^{-1}\text{M}^{-1}$)	Fluorescent Colour	Stokes Shift
643	667	250000	Red	24