

Fluorescent Dye Properties

Fluorochrome	Excitation (nm)	Emission (nm)	Color	Application
Acridine Orange	500	526 (DNA) 650 (RNA)	Green(DNA) Red (RNA)	Nucleic acid stain. Flow cytometry, fluorescence microscopy
Cy3	552	568-574	Red-orange	Protein conjugation. Flow cytometry.
Cy5	649	670	Red	Protein conjugation. Fluorescence microscopy.
DAPI	360	450	Blue	AT, minor groove dsDNA stain. Flow cytometry, fluorescence microscopy.
Dil-C18-(3)	550	565	Red-orange	Membrane stain (ER,CM) - cell fusion/ permeabilization. Flow cytometry
Ethidium Bromide	493	620	Red	Nucleic acid stain. Gel electrophoresis.
Fluorescein (FITC)	495	525	Green	Protein conjugation. Flow cytometry, fluorescence microscopy.
Green Fluorescent Protein (GFP)	395 (470)	509	Green	Fusion protein. Recombinant protein expression. Fluorescence microscopy.
Hoeschst 33258	360	470	Blue	AT, minor groove dsDNA stain. Flow cytometry, fluorescence microscopy
R-Phycoerythrin (PE)	488	578	Red-orange	Protein conjugation. Flow cytometry.
PKH2	490	504	Green	Cell membrane stain-cell tracking. Flow cytometry, fluorescence microscopy
PKH26	551	567	Red-orange	Cell membrane stain-celltracking. Flow cytometry, fluorescence microscopy.
PKH67	490	502	Green	Cell membrane stain-cell tracking. Flow cytometry, fluorescence microscopy.
Propidium Iodide	493	632	Red	Nucleic acid stain. Flow cytometry fluorescence microscopy.
Quantum Red™	488	670	Red	Protein conjugation. Tandem dye. Flow cytometry
Rhodamine (TRITC)	552	570	Red-orange	Protein conjugation. Flow cytometry, fluorescence microscopy.
Texas Red	596	620	Red	Protein conjugation. Flow cytometry, fluorescence microscopy.