

Nucleic acid binding dyes

Dye	Excitation maximum (nm)	Excitation minimum (nm)	Binding mode
Acridine orange (DNA)	500	526	Intercalation
Acridine orange (RNA)	460	650	Electrostatic attraction
7-Aminoactinomycin D	545	650	G-C pairs
Chromomycin A3	445	475	G-C pairs
DAPI	359	461	A-T pairs
DRAQ5	630	660	Intercalation
Ethidium bromide	520	600	Intercalation
Hoechst 33258	352	455	A-T pairs
Hoechst 33342	352	455	A-T pairs
Propidium iodide	538	617	Intercalation
Sytox green	503	524	Intercalation
TO-PRO-3 iodide	644	657	Intercalation
YO-PRO-1	491	509	Intercalation

Ref: Flow Cytometry - Principles and Applications, 2007, Humana Press