



The nucleus of the cell is a membrane-bound organelle that includes the nuclear envelope, nucleoli, and nuclear lamina and is the site of gene expression. Nuclear structure can be selectively visualized using nucleic acid stains. Applied BioProbes offers a selection of nucleic acid stains to stain live or dead cells/tissues, providing a means to locate the nucleus and follow nuclear changes throughout cellular processes, from mitosis to apoptosis.

细胞核荧光探针选购指南

货号	产品名称	激发/发射波长 (nm)	应用
C001, C002	DAPI	358/461	Dead-cell stain; Chromosome and nuclear counterstain; Mycoplasma detection
C003, C004	Hoechst 33258	352/461	Live-cell stain; Chromosome and nuclear counterstain; Cell-cycle studies
C005, C006	Hoechst 33342	350/461	Live-cell stain; Chromosome and nuclear counterstain; Cell-cycle studies
C007, C008	Propidium iodide	535/617	Dead-cell stain; Chromosome and nuclear counterstain
C009	EMA (Ethidium monoazide)	504/600	Dead-cell stain; Photocrosslinkable
C010	EthD-1 (Ethidium Homodimer-1)	528/617	Dead-cell stain; High-affinity DNA labeling
C011	EthD-2 (Ethidium Homodimer-2)	535/624	Dead-cell stain; Very high-affinity DNA labeling
C012	7-AAD (7-Aminoactinomycin D)	546/647	Dead-cell stain; Chromosome banding
C014	Acridine orange	500/526 (DNA) 460/650 (RNA)	Live-cell stain; Lysosome labeling; Cell-cycle studies

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