

Materials List for:

# Immunofluorescent Detection of Two Thymidine Analogues (CldU and IdU) in Primary Tissue

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URL: <https://www.jove.com/video/2166>

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## Materials

Name	Company	Catalog Number	Comments
5-chloro-2-deoxyuridine (CldU)	MP Biomedicals	0210547891	
5-Iodo-2-deoxyuridine (IdU)	MP Biomedicals	0210035701	
4% Paraformaldehyde	USB Corp., Affymetrix	19943	
10% Buffered Formalin	Fisher Scientific	23-427-098	
XYLENES	VWR international	EM-XX0060-4	
Ethanol, Anhydrous (Histological)	Fisher Scientific	A405P-4	
PBS, 10X Powder Concentrate	Fisher Scientific	BP665-1	
Triton -X-100	Fisher Scientific	BP151-500	
Hydrochloric Acid	VWR international	BDH3028-2.5LG	
Normal Donkey Serum	Jackson ImmunoResearch	017-000-121	
Mouse Anti BrdU	BD Biosciences	347580	
Rat mab anti BrdU	Accurate Chemical & Scientific Corporation	OBT0030	
Cy2 donkey anti-rat	Jackson ImmunoResearch	712-225-153	Fully adsorbed secondaries from Jackson (minimal cross reactivity).
Cy5 donkey anti-mouse	Jackson ImmunoResearch	715-175-151	See above
Glass Cover Slips	Sigma-Aldrich	C9056-1CS	
YFP Filter	Chroma Technology Corp.	49003 ET EYFP	Reduces auto-fluorescence in Cy2 channel
Cy3 Filter	Chroma Technology Corp.	49004 ET Cy3	
Cy5 Filter	Chroma Technology Corp.	49006 ET Cy5	
ORCA ER Microscope Camera	Hamamatsu Corp.	C4742-95-12ER	Excellent detection of fluorophores
ProLong Gold antifade reagent	Invitrogen	P36930	Do not use Vectashield (toxic to cyanine dyes).