

Materials List for:

Functional Imaging of Viral Transcription Factories Using 3D Fluorescence Microscopy

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URL: <https://www.jove.com/video/56832>

DOI: [doi:10.3791/56832](https://doi.org/10.3791/56832)

Materials

Name	Company	Catalog Number	Comments
RPMI medium 1650 GlutaMAX	Gibco by Life Technologies	61870-036	Needs to be warmed to 37 °C
Fetal Bovine Serum	Omega Scientific Inc.	FB-11	
Pen Strep Glutamine (100x)	Gibco by Life Technologies	10378-016	
Thymidine	Sigma Aldrich	T9250	
Dulbecco's Phosphate Buffered Solution	Gibco by Life Technologies	14190-144	
TPA	Sigma Aldrich	P1585	
Sodium Butyrate	Sigma Aldrich	B5887	
Formaldehyde Solution	Sigma Aldrich	252549	Corrosive, toxic, health hazard
Diethyl Pyrocarbonate	Sigma Aldrich	D-5758	Acute toxicity
Glycine	Sigma Aldrich	410225	
Acetone	Sigma Aldrich	179124	Flammable, toxic
Methanol	Fisher Chemical	67-56-1	Flammable, toxic, health hazard
Rat monoclonal antibody to KSHV/HHV-8 ORF73	Advanced Biotechnologies	13-210-100	
Anti-RNA Polymerase II Antibody clone CTD4H8	EMD Milipore	05-623	
Ribonucleic acid, transfer from baker's yeast (<i>S. cerevisiae</i>)	Sigma Aldrich	9014-25-9	
Saline sodium citrate buffer 20x (SSC)	Thermo Fisher Scientific	15557044	
Formamide	Sigma Aldrich	295876	
Omnipur Dextran Sulfate, 50% solution	EMD Milipore	1916C093	
DAPI (4',6-diamindino-2-phenylindole, Dihydrochloride)	Thermo Fisher Scientific	D1306	
slowFade Gold antifade reagent	Life Technologies	S36936	
Micro cover glass 22x22	Matsunami	C022221	
VoloCITY		3D imaging software	
DeltaVision microscope			
Superfrost/Plus microscope slides	Fisher Scientific	12-550-15	