

Materials List for

Next-generation Viral RNA/DNA in situ Hybridization Applications in Human Immunodeficiency Virus/Simian Immunodeficiency Virus Research

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Citation

Brands, C., Morcock, D., Estes, J., Deleage, C. Next-generation Viral RNA/DNA in situ Hybridization Applications in Human Immunodeficiency Virus/Simian Immunodeficiency Virus Research. *J. Vis. Exp.* (), e60318, doi:10.3791/60318 (2020).

Date Published

June 17, 2020

DOI

10.3791/60318

URL

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Materials

Name	Company	Catalog Number	Comments
ACD HybEZII Hybridization system (110V) with ACD EZ-Batch Slides system	ACD	321710	Hybridization oven
CAT Hematoxylin	Biocare medical	CATHE-GAL	colorstain
Clear-Mount	ELECTRON MICROSCOPY SCIENCES	17985-15	mounting reagent for red chromogen
Impact DAB Peroxidase Kit	Vector	SK-4105	Used to reveal HRP - DAB (Brown) to replace the DAB coming in the ACD kit
lithium carbonate	Fisher chemical	L119-500	bluing solution
paraformaldehyde	ELECTRON MICROSCOPY SCIENCES	15714-S	for tissue fixation (4%)
PBS	life technology	14190-136	
Permunt Mounting Medium	ThermoFisher Scientific	SP15-100	mounting reagent for brown chromogen
Prolong Gold	ThermoFisher Scientific	P36930	mounting reagent for fluorescence
ribonucleases A	ThermoFisher Scientific	12091039	for RNase treatment in DNAscope protocol
ribonucleases T1	Roche	R1003	for RNase treatment in DNAscope protocol
RNAscope 2.5, 2-plex detection reagent	ACD	322430	Brown and red kit chromogen detection
RNAscope Target Retrieval Reagents	ACD	322000	retrieval buffer
SuperFrost Plus Glass Slides	ThermoFisher Scientific	12-550-17	
TBS	BOSTON BIOPRODUCTS	BM-301-4L	for washes
TSA Plus Fluorescence palette kit (Cy3, Cy5, TMR, Fluorescein)	Perkin elmer	NEL760001KT	HRP Fluorescence detection
Tween 20	SIGMA	P1379-1L	for washes

XYLENE 20LT	ThermoFisher Scientific	AC422680200	
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