

Materials List for:

Characterizing DNA Repair Processes at Transient and Long-lasting Double-strand DNA Breaks by Immunofluorescence Microscopy

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URL: <https://www.jove.com/video/57653>

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Materials

Name	Company	Catalog Number	Comments
12mm Coverslips	VWR	89015-725	
16% Paraformaldehyde (PFA)	ThermoFisher Scientific	28908	
24-well plate	VWR	82050-892	
96-well glass bottom plate	Cellvis	P96-1.5H-N	
Anti-H2AX Alexa488	EMD Millipore	05-636-AF488	
Anti-Rad51 (D4B10)	Cell Signaling Technology	8875S	
Bio-formats plugin for ImageJ	National Institute of Health (NIH)		https://imagej.nih.gov/ij/plugins/index.html
Bovine Serum Albumin (BSA)	VWR	97061-416	
DAPI	ThermoFisher Scientific	D1306	
DMEM, High Glucose	ThermoFisher Scientific	12100046	
EDTA	Invitrogen	15576-028	
Fetal Bovine Serum (FBS)	VWR	89510-194	
Goat Anti-Rabbit IgG Alexa594	ThermoFisher Scientific	A-11012	
Hydrogen Peroxide	sigma-Aldrich	216763-100ML	
ImageJ Software	National Institute of Health (NIH)		https://imagej.nih.gov/ij/
I-SceI Expression Vector	Addgene	26477	
Nail Polish- Insta Dri	Sally and Hansen	Clearly Quick (103)	
Phosphate Buffered Saline (PBS)	Bio Basic	PD8117	
ProLong Gold Antifade Reagent	Life Technologies	P36930	
Triton X-100	Sigma-Aldrich	X100-100ML	
Trypsin-EDTA	Sigma-Aldrich	T4049-500ML	
TurboFect Transfection Reagent	ThermoFisher Scientific	R0531	
Tween-20	Fisher Scientific	BP337-500	