

Materials List for

Assessing DNA Damage Foci: To Identify Radiation-Induced DNA Damage Foci in Cancer Cell Line Using Immunofluorescence Staining

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URL: <https://www.jove.com/video/20325>
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Materials

Name	Company	Catalog Number	Comments
12 mm Coverslips	VWR	89015-725	
35 mm Petri dishes	Sarstedt	7.183.390.000	
4-Borono-L-phenylalanine	SIGMA-ALDRICH	17755	
Antibiotic-Antimycotic (100X)	Gibco	15240062	
Anti-DNA PKcs (phospho S2056) antibody - CHIP Grade	Abcam	AB18192	
Anti-Mouse IgG (whole molecule)-FITC antibody produced in goat	SIGMA-ALDRICH	F0257	
Anti-phospho-Histone H2A.X (Ser139) Antibody, clone JBW301	MerckMillipore	05-636	
Anti-RAD52 antibody	Abcam	AB117097	
Bovine Serum Albumin Fraction V (BSA)	Roche	BSAV-RO	
DAPI (4',6-Diamidino-2-Phenylindole, Dihydrochloride)	ThermoFisher SCIENTIFIC	D1306	
Fetal Bovine Serum (Heat Inactivated)	SIGMA-ALDRICH	F9665	
Goat Anti-Rabbit IgG H&L (Alexa Fluor 488)	Abcam	AB150077	
HCT-116 cell line	ATCC	CCL-247™	
ImageJ	National Institute of Health (NIH)	https://imagej.nih.gov/ij/	
Image Pro	Media cybernetics	https://www.mediacy.com/imagepro	
microscope slides	ThermoFisher SCIENTIFIC	B-1198	
Phosphate Buffered Saline (PBS)	Hirszfeld Institute of Immunology and Experimental Therapy, PAS	20.59.52.0	
Triton X-100	SIGMA-ALDRICH	X100	
Trypan Blue Stain, 0.4%	Logos Biosystems	T13001	
Trypsin-EDTA solution 0.25%	SIGMA-ALDRICH	T4049	