

Materials List for

Detection of DNA Double-Stranded Breaks in Mouse Oocytes

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jove.com/video/65494

Materials

Name	Company	Catalog Number	Comments
3 mL Pasteur pipettes in LDPE, graduated	APTACA	1502	
10 cc syringes	SoftCare	114.104.21	
Alexa Fluor 488-conjugated goat anti-rabbit Secondary Ab	Biotium	20012	
Anti-phospho-H2A.X (Ser139)	Merck Millipore	07-164	
ARE Heating Magnetic Stirrer	VELP Scientifica	F20500162	
BD FALCON 5 mL Polystyrene Round-Bottom Tubes	BD Biosciences	352054	
BD Microlance 3 Needles 27 G - 0.40 x 13 mm	Becton Dickinson	300635	
Bovine Serum Albumin Fraction V	Roche	10735078001	
DMSO Anhydrous	Biotium	90082	
DRAQ7 DNA dye	BioStatus	DR71000	
EGTA	Sigma-Aldrich	E4378-25G	
EMSURE MgCl ₂ · 6H ₂ O	Merck Millipore	1058330250	
Etoposide	CHEMIPHARM	L01CB01	
FALCON 14 mL Polystyrene Round-Bottom Tubes	Corning Science	532057	
FALCON Tissue Culture Dishes, Easy-Grip, 35 x 10 mm Style	Corning Science	353001	
Glass Bottom Culture Dishes (35 mm Petri dish/ 14 mm Microwell, No. 0 coverglass)	MatTek Corporation	P35G-0-14-C	
HEPES	Sigma-Aldrich	H6147-25G	
HERACELL 150i CO ₂ Incubator	ThermoFisher Scientific	50116048	
IBMX powder	Sigma-Aldrich	I5879-100MG	
Leica M125 Stereo Microscope	Leica Microsystems		
M16 Medium	Sigma-Aldrich	M7292	
M2 Medium	Sigma-Aldrich	M7167	
Mineral Oil	Sigma-Aldrich	M5310	

NaN ₃	Honeywell	13412H	
NaOH	Merck Millipore	1064981000	
Nikon AX ECLIPSE Ti2 Confocal Microscope	Nikon Corporation		
Nikon SMZ800N Stereo Microscope	Nikon Corporation		
Paraformaldehyde	Sigma-Aldrich	158127	
Pasteur pipettes, glass, long form 230 mm	DURAN WHEATON KIMBLE	357335	
pH/ORP meter	Hanna Instruments Ltd	HI2211	
Phosphate buffered saline tablets	Sigma-Aldrich	P4417-100TAB	
PIPES	Sigma-Aldrich	P1851	
PMSG Protein Lyophilised	Genway Biotech (now AVIVA Systems Biology)	GWB-2AE30A (now OPPA01037)	
QBD4 Dry block heater	Grant Instruments (Cambridge) Ltd	A25218	
Triton X-100	Sigma-Aldrich	T8787	
Whatman Puradisc 25 mm 0.2 µm filters	GE Healthcare	6780-2502	