Materials List for:

In Situ Labeling of Mitochondrial DNA Replication in *Drosophila* Adult Ovaries by EdU Staining

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Materials

Name	Company	Catalog Number	Comments
Schneider's Drosophila medium	Invitrogen	21720-024	
FBS	Invitrogen	10100-147	
Pair of Dumont #5 Forceps	Fine Science Tools	11252-20	
Aphidicolin	Sigma	A0781	Aliquot after dissolving in DMSO. Avoid repetitive thawing and freezing. Protect from light. May be used within 6 weeks after dissolving.
FCCP	Sigma	C2920	
DMSO	Sigma	D2650	
Paraformaldehyde, 16% EM grade	Electron Microscopy Sciences	15710	Formaldehyde is toxic; it should be handled in a fume hood with skin and eye protection.
PBS	KD Medical	RGF-3190	
BSA	Sigma	A7030	
Triton X-100	Sigma	T9284	
Click-iT EdU Alexa Fluor 488 Imaging Kit	Invitrogen	C10337	EdU, CuSO ₄ , Alexa Fluor 488 azide, EdU reaction buffer and Edu buffer additive are included
Mouse ATP synthase subunit α antibody, (15H4C4)	MitoSciences	Ab14748	1:1,000 dilution
Mouse Hts antibody (clone RC)	Developmental Studies Hybridoma Bank (DSHB)	hts RC	1:1,000 dilution
Goat anti-mouse Alexa Fluor 568 secondary antibody	Invitrogen	A-11004	1:200 dilution
Vectashield mounting medium with DAPI	Vector Laboratories	H-1500	
Glass coverslips, #1.5 22 mm x 22 mm	Fisher Scientific	12-541-B	
Microscope slide	Fisher Scientific	22-038-103	
Nail polish	Elf		Many of the pigments used in nail polishes are fluorescent and leach into specimens. Only clear nail polish should be used.