

Materials List for

Preparing and Injecting Embryos of *Culex* Mosquitoes to Generate Null Mutations using CRISPR/Cas9

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Corresponding Author	Citation	Citation		
Megan E. Meuti	Meuti, M.E., Harrell, R. Prepari	Meuti, M.E., Harrell, R. Preparing and Injecting Embryos of Culex Mosquitoes to Generate		
meuti.1@osu.edu	Null Mutations using CRISPR/0	Null Mutations using CRISPR/Cas9. J. Vis. Exp. (), e61651, doi:10.3791/61651 (2020).		
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Materials

Name	Company	Catalog Number	Comments
Artificial Membrane Feeder	Hemotek	SP5W1-3	Company location: Blackburn, UK
ATP	Invitrogen	18330019	Company location: Carlsbad, CA, USA
Borosilicate glass mirocapillary tubes, 1 mm outer diameter	World Precision Instruments	1B100-6	Company Location: Sarasota, FL, USA
BV10 Needle Beveler	Sutter Instruments	BV-10-B	Company Location: Nobato, CA, USA
Whatman Circular filter paper (12.5 cm)	Sigma Aldrich	WHA1001125	Company Location: St. Louis, MO, USA
Conical tube (50 mL)	Thermo Fisher Scientific	339652	Company Location: Waltham, MA, USA
Fisherbrand course filter paper with fast flow rate	Thermo Fisher Scientific	09-800	Company Location: Waltham, MA, USA
Cover glass (24 x 40 mm)	Thermo Fisher Scientific	50-311-20	Company Location: Waltham, MA, USA
Dental dam	Henry Schein Inc	1010171	Company Location: Melville, NY USA
Scotch double-sided tape	Thermo Fisher Scientific	NC0879005	Company Location: Waltham, MA, USA
FemtoJet 4i microinjector	Eppendorf	5252000021	Company Location: Hamburg, Germany
Glass vial (2 dram)	Thermo Fisher Scientific	033401C	Company Location: Waltham, MA, USA
Halocarbon oil	Sigma Aldrich	H8898-50ML	Company Location: St. Louis, MO, USA
P-2000 Laser Needle Puller	Sutter Instruments	P-2000/G	Company Location: Nobato, CA, USA
Parafilm	Thermo Fisher Scientific	50-998-944	Company Location: Waltham, MA, USA
PC-100 Weighted Needle Puller	Narishige	PC-100	This is compatabile with the earlier PC-10 model, which has been discontinued. Company Location: Amityville, NY, USA



Phire Direct PCR Kit	Thermo Fisher Scientific	F140WH	Company Location: Waltham, MA, USA
Kodak Photo-Flo (1%)	Thermo Fisher Scientific	50-268-05	Company Location: Waltham, MA, USA
Quartz glass mirocapillary tubes, 1 mm outer diameter	Capillary Tube Supplies Limited	QGCT 1.0	Company Location: Cornwall, UK
Guide-it™ sgRNA Screening Kit	Takara, Bio USA	632639	This kit allows you to determine if gRNAs cut DNA sequences in vitro. Company Location: Mountain View, CA, USA
Sigmacote	Sigma Aldrich	SL2-100ML	Company Location: St. Louis, MO, USA
Small petri dishes (35X10 mm)	Thermo Fisher Scientific	50-190-0273	Company Location: Waltham, MA, USA
Sodium citrate chicken blood	Lampire biologicals	7201406	Company Location: Everett, PA, USA
Fisherbrand Square petri dish (10 cm x 10 cm)	Thermo Fisher Scientific	FB0875711A	Company Location: Waltham, MA, USA
Tegaderm	Henry Schein Inc.	7771180	Company Location: Melville, NY USA
Tropical fish food	Tetramin	N/A	
Whatman filter paper	Thermo Fisher Scientific	09-927-826	Company Location: Waltham, MA, USA
Whatman filter paper, 4.25 cm	Sigma Aldrich	1001-042	Company Location: St. Louis, MO, USA