

Materials List for:

Microinjection of *A. aegypti* embryos to obtain transgenic mosquitoes

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Materials

Name	Type	Company	Catalog Number	Comments
1x Injection solution	Buffer			5mM KCl, 0.1mM sodium phosphate, pH 6.8
Construct plasmid	DNA			0.5 mg/ml.
Helper plasmid	DNA			0.3 mg/ml
EndoFree Plasmid kit	Kit	Qiagen		
Millex-GV column			SLGV RO4 NL	To clean DNA.
Glass puller	Instrument	Sutter Instrument Co.	Model P-87	Heat-815, Pull-10, Vel-10, Time-100. Heat-700, Pull-30, Vel-36, Time-50
Quartz puller	Instrument	Sutter Instrument Co.	Model P-2000	Heat-275, Fil-3, Vel-38, Del-250, Pull-141
Injection glass needles				Prepared by drawing capillary tubing into a fine 3-8 mm with a shaft of approximately 100-300 mm micropipette puller. When the needle is new, the tip is sealed and usually breaks in the first or second injection or the glass needle tip can be beveled using a Brown type micro-pipette beveller (Sutter Instrument).
<i>Aedes aegypti</i>	Animal			Mosquito embryos.
<i>Drosophila</i> culture vial				For mosquito egg-laying.
Halocarbon oil	Reagent			Oil for desiccation: Halocarbon oil 700:Halocarbon oil 27(1:1)
Forceps No5	Tool			
Fine paintbrush		Kolinsky Sable	No. 0000	
Whatman paper	Tool			
Microloader	Tool	Eppendorf	5242 956.003	
Transjector	Tool	Eppendorf		
Microscope		Leica Microsystems		With moving stage and micromanipulator.