

Materials List for:

# Embryo Microinjection and Transplantation Technique for *Nasonia vitripennis* Genome Manipulation

Ming Li<sup>1,2</sup>, Michelle Bui<sup>1,2</sup>, Omar S. Akbari<sup>1,2</sup>

<sup>1</sup>Department of Entomology and Riverside Center of Disease Vector Research, Institute for Integrative Genome Biology, University of California, Riverside

<sup>2</sup>Section of Cell and Developmental Biology, Division of Biological Sciences, University of California, San Diego

Correspondence to: Omar S. Akbari at [oakbari@ucr.edu](mailto:oakbari@ucr.edu)

URL: <https://www.jove.com/video/56990>

DOI: [doi:10.3791/56990](https://doi.org/10.3791/56990)

## Materials

Name	Company	Catalog Number	Comments
Bugdorm	Bugdorm	41515	Insect Rearing Cage
Glass Test Tubes	Fisher Scientific	982010	
Flesh fly pupae, <i>Sarcophaga bullata</i>	Carolina Insects	144440	
Microelectrode Beveler	Sutter Instruments	BV10	
Diamond abrasive plate (0.7u to 2.0u tip sizes)	Sutter Instruments	104E	
Micromanipulator	World Precision Instruments	Kite R	
Femtojet Express programmable microinjector	Eppendorf		
Micropipette Puller	Sutter Instruments	P-1000 or P-2000	
Stereo Microscope	Olympus	SZ51	
Compound Microscope	Leica DM-750		
Aluminosilicate glass capillary tubing 1mm(outside diameter) X 0.58mm (inner diameter)	Sutter Instruments	BF100-58-10	Can also use Borosilicate or Quartz
Identi-Plugs	JAECE	L800-B	Foam plugs
Microscope Slides	Fisherbrand	12-550-A3	
Micro Cover glass	VWR	48366045	
Adhesive	Aron Alpha	AA471	For glueing coverslip onto microscope slide
Fine-tip paintbrush	ZEM	2595	
Ultra-fine tip forcep	Fisher Scientific	16-100-121	
Femtotips Microloader tips	Fisher Scientific	E5242956003	