

Materials List for:

# Gene Trapping Using Gal4 in Zebrafish

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## Materials

Name	Company	Catalog Number	Comments
Miniprep Kit	Qiagen	27104	Optional PB wash step is a must
XbaI restriction enzyme	ThermoFisher	ER0681	
mMessage Machine T3	Ambion	AM1348	
RiboLock RNase Inhibitor	ThermoFisher	EO0381	
RNeasy MinElute	Qiagen	74204	Can be replaced by phenol extraction and precipitation. Do not use LiCl!
Nuclease-free water	Ambion	AM9937	Has to be non-DEPC treated
Borosilicate glass capillaries for microinjection needles	World Precision Instruments	1B100F-4	
Microcapillaries for calibration	Drummond Scientific	1-000-0010	
Microloader tips	Eppendorf	5242 956.003	
Needle puller *	Sutter Instruments	P-87	
Stereomicroscope for microinjection *	Nikon	SMZ1500	We also use Wild 5M and Olympus SZ61 with transmitted light stand
Picoinjector *	Harvard Instruments	Pli-90	We also use Pli-100
Screening microscope with GFP/RFP fluorescence *	Zeiss	Zeiss AxioImager	5X Fluor objective has sufficient working distance
Screening microscope with GFP/RFP fluorescence *	Nikon	SMZ1500	
* We suggest this equipment only because we successfully use it in our laboratory. In each category, several comparable options from multiple manufacturers are available.			