Materials List for:

A Protocol for Genetic Induction and Visualization of Benign and Invasive Tumors in Cephalic Complexes of *Drosophila melanogaster*

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URL: https://www.jove.com/video/50624
DOI: doi:10.3791/50624

Materials

Name	Company	Catalog Number	Comments
10X PBS (phosphate buffered saline) pH 7.2 stock solution	Invitrogen, Sigma Aldrich		
Chilled 1X PBS pH7.2 working solution	Invitrogen, Sigma Aldrich		Make fresh and refrigerate, can be used up to a week
Flynap	Carolina Biologicals		Fly anesthesia needed to anesthetize larvae
Fixative	0.1M PIPES, pH 7.2, 4% Paraformaldehyde		Needed to fix the dissected cephalic complex
Ice Bucket	Several		Maintain solutions on ice. Also, dissect cephalic complex in chilled 1X PBS and then place on ice in an Eppendorf tube
1.7ml Eppendorf tube	Various		
Glass slides, cover glass	Fisher Scientific		
Vectashield Mounting Media or any other mounting media	Vector Laboratories		
Halocarbon 200 or 700 Oil	Polysciences Inc. or Halocarbon.com		Halocarbon 200 is used to mount the larvae for visualization on a fluorescence stereoscope
Sally Hansen "Hard as Nails" nail polish	Can be found at any general merchandise store		Needed to seal the edges of Coverslip
A Leica MZ16.5 fluorescence stereomicroscope or any other fluorescence stereomicroscope	Leica and others		Needed to observe the GFP fluorescence in larvae
Dumont #5 forceps	Fine Science Tools		
Pyrex 9 well spot plate or any other dissection dish	Sigma Aldrich		
Paint Brush	Can be found at any general merchandise store		

Table 1. Materials needed to perform the experimental protocol presented in this article.

