

Materials List for:

The Preparation of *Drosophila* Embryos for Live-Imaging Using the Hanging Drop Protocol

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Materials

Name	Company	Catalog Number	Comments
Standard equipment and materials required to prepare embryos for live-imaging using the hanging drop protocol include the following items: microscope slides			
coverslips (22 x 40 mm, No. 2)			
double-sided tape			
jeweller's forceps (Dumont style No. 5)			
halocarbon oil series 56 and series 700 (Halocarbon Products Corp.)			
a utility knife or single edge razor blade			
tissue paper			
scissors			
distilled water			
general purpose tape			
a pipet suitable for delivering 20-40 μ l.			
The live imaging protocol also requires a custom-made live imaging chamber. This is prepared by cutting a 5 mm thick polycarbonate plastic sheet to the dimensions of a standard microscope slide (75 X 25 mm) and using a rotor to create a 3mm deep depression in the slide (20 X 55 mm). Access to a stereomicroscope (dissecting microscope) and a fiber-optic illumination source is also required.			