

Materials List for:

Ex vivo Culture of *Drosophila* Pupal Testis and Single Male Germ-line Cysts: Dissection, Imaging, and Pharmacological Treatment

Stefanie M. K. Gärtner¹, Christina Rathke¹, Renate Renkawitz-Pohl^{*1}, Stephan Awe^{*2}

¹Fachbereich Biologie, Entwicklungsbiologie, Philipps-Universität Marburg

²Institut für Molekularbiologie und Tumorforschung, Philipps-Universität Marburg

* These authors contributed equally

Correspondence to: Stephan Awe at awes@staff.uni-marburg.de

URL: <https://www.jove.com/video/51868>

DOI: [doi:10.3791/51868](https://doi.org/10.3791/51868)

Materials

Name	Company	Catalog Number	Comments
Anacardic acid	Merck Millipore	172050	brand: Calbiochem (EMD Millipore)
Anti-acetyl-Histone H4	Merck Millipore	06-598	brand: Upstate
AxioCam MRm	Zeiss		
AxioObserver.Z1 inverted microscope	Zeiss		
Dimethyl sulfoxide	Sigma	D8418	
Dumont 5-Inox forceps	Dumont		multiple suppliers
Fetal Bovine Serum, Heat Inactivated	Sigma	F4135	
Fiber optical illuminator			multiple suppliers
Glass Bottom Microwell Dishes	MatTek	P35G-1.5-14-C	
Goat anti-rabbit IgG (H+L)-Cy5	Dianova	711-175-152	
Hoechst	Sigma	B1155	
Inoculation loop or pin holder			multiple suppliers
Austerlitz INSECT PINS stainless steel needles, size 0	Plano GmbH	N5018	In our hands both of these pin sizes worked well in the dissections. The minutiens are less rigid but have a smaller tip diameter.
Austerlitz INSECT PINS stainless steel minutiens, diam. 0.1 mm	Plano GmbH	N5014	
Multiwell plates, 24-wells	Becton Dickinson	351147	brand: Falcon
Pen Strep	invitrogen	15070	brand: Gibco
Shields and Sang M3 Insect Medium	Sigma	S8398	
Stemi SV6 binocular	Zeiss		