

Materials List for:

Imaging Through the Pupal Case of *Drosophila melanogaster*

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Materials

Name	Company	Catalog Number	Comments
Fly stuff fly pad	Genesee Scientific	59-114	for fly anesthetization
CO ₂ gas	Airgas South	CD50	For fly anesthetization
Regulator	Airgas South		CO ₂ regulator
Fly vials	Genesee Scientific	32-113RLBF	Fly culture
<i>Drosophila</i> lines:A9-Gal4 (Bl#8761), His2Av-GFP (Bl#5941), Sco/CyO HsCre (Bl#1092), UAS-ChRFP-Tub (Bl#25773)	Bloomington Stock Center		
Glass bottom dishes #1 1/2	WillCo Wells BV		For microscopy
Thiodiethylene Glycol	Fluka	88559	mountant
Modeling clay	art supply store		Support to position pupae against
Paintbrushes	art supply store		To manipulate flies
Fine Forceps, Inox #5	Fine Science Tools	11252-20	Dumont #5
computer	any		8 Gb RAM for image/movie analysis
Fiji software		Free ware http://fiji.sc/Fiji	Image analysis software
Confocal microscope			Any fast scanning confocal should be sufficient
20X dry, and 40X or 63X oil immersion lenses	any		For imaging tissue, cellular, and subcellular features
Immersion oil (nonfluorescent)			
Stereomicroscope	any		For fly manipulation