

Materials List for:

# Studying Mitochondrial Structure and Function in *Drosophila* Ovaries

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URL: <https://www.jove.com/video/54989>

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## Materials

Name	Company	Catalog Number	Comments
Grace's Media (Insect Dissecting Medium)	Fisher Scientific	30611031-2	
41 Paraformaldehyde AQ	Electronic Microscopy Sciences	50-259-99	
Mitotracker Green (overall mitochondrial stain)	Life Technologies	m7514	Reconstitute and Aliquot
Tetramethylrhodamine ethyl ester perchlorate	Sigma Aldrich	87917-25MG	Reconstitute and Aliquot
MitoSox (Mito-Ros stain)	Life Technologies	m36008	Reconstitute and Aliquot
PolyLysine	MP Biomedicals	ICN15017625	
Fly Vials	Fisher Scientific	AS-515	
Fly Conicals	Fisher Scientific	AS-355	
Fly Vial Flugs	Fisher Scientific	AS273	
Fly Conical Flugs	Fisher Scientific	AS 277	
Jazzmix <i>Drosophila</i> food ( <i>Drosophila</i> food)	Fisher Scientific	AS153	
Bovine Serum Albumin	Sigma Aldrich	A9647-50G	
Cyclin E Antibody (d-300)	Santa Cruz	sc- 33748	
ATPB antibody [3D5] - Mitochondrial Marker	AbCam	ab14730	
Cy3 AffiniPure Goat Anti-Mouse IgG (H+L)	Jackson ImmunoResearch	115-165-146	
Cy5 AffiniPure Goat Anti-Rabbit IgG (H+L)	Jackson ImmunoResearch	111-175-144	
Hoechst	Fisher Scientific	H3570	
VectaShield	Fisher Scientific	H100	
Azer Scientific EverMark Select Microscope Slides	Fisher Scientific	22-026-252	
Microscope Cover Glass	Fisher Scientific	12-542-B	
Mat Tek Corp Glass Bottom Mircrowell Dish	Fisher Scientific	P35G-0-14-C	
Active Dried Yeast	Fisher Scientific	ICN10140001	
Confocal Microscope	Carl Zeiss	LSM 700	
Dumont #5 Forceps	Fine Science Technologies	11251-20	
Moria Nickel Plated Pin Holder	Fine Science Technologies	26016-12	
Minutien Pins	Fine Science Technologies	26002-15	
MYFP ( w[*]; P{w[+mC]=sqh-EYFP-Mito}3 )	Bloomington Stock Center	7194	
Fly Pad	Fly stuff	59-118	

Blowgun	Fly stuff	54-104	
Blowgun needle	Flystuff	54-119	
Dissecting Microscope	Carl Zeiss	Stemi 2000	
Analyses software	Carl Zeiss	Zen	
Analyses software	Open source	Image J	
Research Macro Zoom Microscope	Olympus	MVX10	
QICAM Fast 1394 Cooled Digital Camera, 12-bit, Mono	QImaging	QIC-F-M-12-C	
QCapture Pro 5.1	QImaging		