

Materials List for:

A Cell-based Assay to Investigate Non-muscle Myosin II Contractility via the Folded-gastrulation Signaling Pathway in *Drosophila* S2R+ Cells

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Materials

Name	Company	Catalog Number	Comments
S2R+ cells	Drosophila Genomics Resource Center	150	cell culture line, exhibits contractility when treated with Fog
S2:Fog-myc cells	Drosophila Genomics Resource Center	218	cell culture line, produces Fog-myc under pMT promoter
S2R+ :Sqh-EGFP cells	Drosophila Genomics Resource Center	196	cell culture line, stably expresses Sqh(RLC of non-muscle myosin II) tagged with EGFP
Shield and Sang M3	Sigma-Aldrich	S3652	cell culture medium
SF900 insect medium	Thermofisher Scientific	12658019	alternative cell culture medium
Schneider's insect medium	Thermofisher Scientific	21720024	alternative cell culture medium
Fetal Bovine Serum	Thermofisher Scientific	16000044	media supplement
Antibiotic-Antimycotic (100X)	Thermofisher Scientific	15240112	antimicrobial/antifungal media supplement
Concanavalin A	MP Biomedicals	150710	used to coat dishes and coverslip for cellular adhesion
Glass bottom plates	Maktek	P35G-1.5-10	used for assay and for fixing and staining cells
Glass cover slips	Corning	2940-225	alternative to glass bottom dishes
Protein concentrators	Millipore	UFC903008	30,000 molecular weight cutoff, used to concentrate media
25 cm ² , 75 cm ² , 150 cm ² tissue culture flasks	Genessee	25-204,25-206,25-208,25-210	used to culture cells
6-well and 12-well tissue culture dishes	Genessee	25-105, 25-106	used to culture cells
Flourescent mounting medium	Dako	S3023	to preserve fixed cells
32% Paraformaldehyde	EMS	15714-S	used to fix cells
Pipes	EMS	19240	used in PEM buffer for cell fixation
Anti-Myc Antibody	Drosophila Hybirdoma Bank	cat# 9E10	used to detect Fog-Myc
PhosphoSerine-19 antibody	Cell Signaling	3671	antibody against phosphorylated regulatory light chain (RLC) serine 19
488-Phalloidin, 568-Phalloidin	Thermofisher Scientific	A12379, A12380	to stain for f-actin
Hawk-VT multi-point array scanning confocal system	VisiTech International		Used for live cell imaging of S2R+ :Sqh cells

Eclipse TE300 Inverted microscope	Nikon		Used for live cell imaging of S2R +:Sqh cells
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