

Materials List for:

# Cell Aggregation Assays to Evaluate the Binding of the *Drosophila* Notch with *Trans*-Ligands and its Inhibition by *Cis*-Ligands

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URL: <https://www.jove.com/video/56919>

DOI: [doi:10.3791/56919](https://doi.org/10.3791/56919)

## Materials

Name	Company	Catalog Number	Comments
BioWhittaker Schneider's <i>Drosophila</i> medium, Modified	Lonza	04-351Q	
HyClone Penicillin-Streptomycin 100X solution	GE Healthcare lifescience	SV30010	
CELLSTAR 6 well plate	Greiner Bio-One	657 160	
CELLSTAR 24 well plate	Greiner Bio-One	662160	
VWR mini shaker	Marshell Sceintific	12520-956	
Hemocytometer	Fisher Sceintific	267110	
FuGENE HD Transfection Reagent	Promega	E2311	
MEGAscrip T7 Transcription Kit	Ambion	AM1334	
Quick-RNA MiniPrep (RNA purification Kit)	Zymo Research	R1054	
VistaVision Inverted microscope	VWR		
9MP USB2.0 Microscope Digital Camera + Advanced Software	AmScope	MU-900	Image acquisition using ToupView software
PureLink Quick Gel Extraction Kit	Invitrogen	K210012	
Fetal Bovine Serum	GenDepot	F0600-050	
Methotrexate	Sigma-Aldrich	A6770-10	
Hygromycin B	Invitrogen	HY068-L6	
Copper sulphate	Macron Fine Chemicals	4448-02	
S2 cells	Invitrogen	R69007	
S2-Serrate <sup>Tom</sup> cells			Gift from R. Fleming (Fleming et al, Development, 2013)
S2-Delta cells	DGRC	152	
S2-Notch cells	DGRC	154	
pMT-Delta vector	DGRC	1021	Gift from S. Artavanis-Tsakonas
pMT-Serrate vector			Gift from Ken Irvine (Okajima et al, JBC, 2003)
pMT-Notch vector	DGRC	1022	Gift from S. Artavanis-Tsakonas
pAc5.1-EGFP			Gift from Hugo Bellen
TaqMan RNA-to-Ct 1-Step Kit	Applied Biosystem	1611091	
TaqMan Gene Expression Assay for CG9996 (Shams)	Applied Biosystem	Dm02144576_g1	with FAM-MGB dye
TaqMan Gene Expression Assay for CG7939 (RpL32)	Applied Biosystem	Dm02151827_g1	with FAM-MGB dye

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Applied Biosystems 7900HT Fast Real-Time PCR system	Applied Biosystem	4351405	96-well Block module
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