

Materials List for:

Generation of Dispersed Presomitic Mesoderm Cell Cultures for Imaging of the Zebrafish Segmentation Clock in Single Cells

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URL: <https://www.jove.com/video/50307>

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Materials

Name	Company	Catalog Number	Comments
Epifluorescence microscope	Olympus	Model: SZX16	
Epifluorescence microscope	X-cite Illumination	Series: 120Q	
Dissection microscope	Olympus	Model: SZX12	
Fine forceps no. 55	Fine Science Tools	11295-51	
Glass transfer pipettes	Assistant	567/2	
35 mm plastic petri dishes	Greiner	627102	
60 mm plastic petri dishes	Greiner	628102	
Sylgard polymer	SASCO	266727	
Manipulation tools	Made in-house		For description of manipulation tools Ref. 22
Microsurgical knife	World Precision Instruments	500249	
L15 medium	Invitrogen	57322	
Penicillin/streptomycin	PAA	P11-010	
Fetal bovine serum	Invitrogen	257322	
0.05% trypsin / 0.02% EDTA	PAA	L11-004	
Gel loading tips	Fisher Scientific	253188	
Sigmacote	Sigma Aldrich	254589	
Micropipette set	Gilson International	F167300	
Zebrafish Fibronectin1 70 kD fragment	MPI-CBG protein facility		Generated in-house from construct based on previously published work Ref. 23-25
Glass bottom imaging dishes	Mattek (single well)	P35G-1.5-14-C	
Glass bottom imaging dishes	Greiner (CellView -multi-well)	262502	
E3 medium without methylene blue	Made in-house		From The Zebrafish Book, 5th Ed. Ref. 26
Plastic transfer pipettes	Ratiolab	260011	
Warner heating/cooling chamber	Warner Instruments	TC-324B/344B	
EM-CCD camera	Andor	Model: iXOn 888	
Wide-field fluorescence microscope with Venus filter set	Zeiss	Model: Axiovert 200M	
Wide-field fluorescence microscope with Venus filter set		NeoFluor 40x, NA 0.75	
Wide-field fluorescence microscope with Venus filter set	Lumencor Light Engine	Model: Spectra X	
Wide-field fluorescence microscope with Venus filter set	BrightLine HC 575/15	F39-575	