

Simultaneous Live Imaging of Multiple Insect Embryos in Sample Chamber-Based Light Sheet Fluorescence Microscopes

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jove.com/video/61713

Materials

Name	Company	Catalog Number	Comments
6-well plate	Orange Scientific	4430500	
24-well plate	Orange Scientific	4430300	Only for live imaging involving <i>Tribolium</i>
35-mm Ø Petri dish	Fisher Scientific	153066	Only for live imaging involving <i>Drosophila</i> .
90-mm Ø Petri dish	Fisher Scientific	L9004575	
100 µm mesh size cell strainer	BD Biosciences	352360	
250 µm mesh size sieve	VWR International	200.025.222-038	Only for live imaging involving <i>Tribolium</i>
300 µm mesh size sieve	VWR International	200.025.222-040	Only for live imaging involving <i>Tribolium</i>
710 µm mesh size sieve	VWR International	200.025.222-050	Only for live imaging involving <i>Tribolium</i>
800 µm mesh size sieve	VWR International	200.025.222-051	Only for live imaging involving <i>Tribolium</i>
405 fine wheat flour	Demeter e.V.	SP061006	Only for live imaging involving <i>Tribolium</i>
commercially available <i>Drosophila</i> medium	Genesee Scientific	66-115	Only for live imaging involving <i>Drosophila</i> / Custom-made <i>Drosophila</i> medium may also be used
fluorescent microspheres, 1.0 µm Ø	Thermo Fisher Scientific	T7282	
inactive dry yeast	Genesee Scientific	62-108	
low-melt agarose	Carl Roth	6351.2	
narrow vials	Genesee Scientific	32-109	Only for live imaging involving <i>Drosophila</i>
small paint brush	VWR International	149-2121	

sodium hypochlorite (NaOCl), ~12% active Cl	Carl Roth	9062.3	Caution: sodium hypochlorite is corrosive
whole wheat flour	Demeter e.V.	SP061036	Only for live imaging involving <i>Tribolium</i> / United Kingdom: wholemeal flour
wide vials	Genesee Scientific	32-110	Only for live imaging involving <i>Drosophila</i>