

Materials List for:

Light Sheet-based Fluorescence Microscopy of Living or Fixed and Stained *Tribolium castaneum* Embryos

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Materials

Name	Company	Catalog Number	Comments
full grain wheat flour	Demeter e.V.	1.13E+08	US: whole wheat flour, UK: whole meal flour
405 fine wheat flour	Demeter e.V.	1.13E+08	US: pastry flour, UK: soft flour
inactive dry yeast	Flystuff / Genesee Scientific	62-106	
Phosphate-buffered Saine (PBS), pH 7.4	Thermo Fisher Scientific	10010-023	
sodium hypochlorite, ~12% active Cl	Sigma Aldrich	425044-250ML	Caution: sodium hypochlorite is corrosive
low-melting agarose	Carl Roth	6351.2	
6-well plate	Orange Scientific	4430500	
24-well plate	Orange Scientific	4430300	
glass capillaries, internal Ø 0.46 mm	Brand GmbH + Co KG	7087 09	
SYTOX Green	Thermo Fisher Scientific	57020	Staining solution preparation is explained in Table 2
YOYO-1 Iodide	Thermo Fisher Scientific	Y3601	Staining solution preparation is explained in Table 2
BOBO-3 Iodide	Thermo Fisher Scientific	B3586	Staining solution preparation is explained in Table 2
Alexa Fluor 488 Phalloidin	Thermo Fisher Scientific	A12379	Staining solution preparation is explained in Table 2
Alexa Fluor 546 Phalloidin	Thermo Fisher Scientific	A22283	Staining solution preparation is explained in Table 2
sieve, 800 µm mesh size	VWR International	200.025.222-051	
sieve, 710 µm mesh size	VWR International	200.025.222-050	for growth medium preparation (step 1.1)
sieve, 300 µm mesh size	VWR International	200.025.222-040	
sieve, 250 µm mesh size	VWR International	200.025.222-038	for egg laying medium preparation (step 1.2)
glass dish, Ø 100 mm × 20 mm	Sigma Aldrich	CLS70165102	
cell strainer, 100 µm mesh size	BD Biosciences	352360	
paint brush, head Ø 2 mm	VWR International	149-2121	
syringe, 1.0 mL	B. Braun Medical AG	9166017V	
scintillation vials	Sigma Aldrich	M1152-1000EA	
paraformaldehyde (PFA)	Sigma Aldrich	158127	Caution: paraformaldehyde is toxic and corrosive

n-heptane ≥99%	Carl Roth	8654.1	Caution: n-heptane is flammable and toxic
Triton X-100	Sigma Aldrich	X100-100ML	Caution: Triton X-100 is corrosive