

Materials List for

A Cryoinjury Model for Studying Skeletal Muscle Regeneration of the Caudal Peduncle in Adult Zebrafish

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URL

jove.com/video/65491

Materials

Name	Company	Catalog Number	Comments
Program			
ImageJ	National Institutes of Health (NIH)		
Photoshop Version 23.5.3	Adobe		
Material/ Equipment			
35/10 mm Petri Dish	Greiner Bio-one	Item No.: 627102	
Camera	Sony	/	HDR-PJ410
Cryostat	Histcom	HRA C50	
Formaldehyde ~36%	Sigma-Aldrich	47630	
Macro 50 mm f/2.8 EX DG lens	Sigma	/	Discontinued lense
Peel-A-Way Embedding Truncated Molds T8	Polyscience, Inc.	18985	
Slides Superfrost Plus	Fisher Scientific	12-550-15	
Sponge	any	any	flat sponge, c.a. 7cm x 3 cm x 1 cm
Stainless steel cryoprobe	Custom-made	/	specifics in the article
Sucrose	Sigma-Aldrich	84100	
Surgical scissors	Any	/	
TCS SP2	Leica	/	Discontinued product
Tissue-Tek O.C.T. compound	Sakura Finetek	4583	
Tricaine (Anesthetic)	Sigma	E10521	
Dyes and Antibodies			
Dapi	Sigma	10236276001	Concentration: 1/2000
Phalloidin-Atto-565 (F-actin)	Sigma	94072	Concentration: 1 / 500
Tropomyosin (TPM1)	DHSB	CH1	Concentration: 1 / 50
Recipies/Solutions			
1x PBS	123 mM NaCl	Sigma	
	2.7 mM KCl	Sigma	
	10 mM Na ₂ HPO ₄	Sigma	
	1.8 mM KH ₂ PO ₄	Sigma	

AFOG solution	3 g Fuchsin	Fisher Scientific	
	2 g Orange G	Sigma	
	1 g Anilin blue	Fulka AG	
	200 ml acidified distilled H ₂ O (pH 1.1)		