

Live Imaging of Early Cardiac Progenitors in the Mouse Embryo

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Materials

Name	Company	Catalog Number	Comments
#55 Forceps	Dumont	11295-51	
35 mm Dish with glass coverslip bottom 14 mm Diameter	Mattek	P35G-1.5-14-C	
35 mm vise table	Grandado	SKU 8798771617573	
50 mL tubes	BD Falcon	352070	
Distilled water			
DMEM - Dulbecco's Modified Eagle Medium	Gibco	11966025	with L-Glutamine, without Glucose, without Na Pyruvate
Fetal Bovine Serum	Invitrogen	10438-026	
Fluorescent reporter transgenic mice (Tg(CBF:H2BVenus,+))	JAX		
Fluorobrite DMEM	ThermoFisher	A1896701	DMEM for live-cell imaging
High-vacuum silicone grease	Dow Corning	Z273554-1EA	
Holder for wires	Perlen Pressen	pwb1	
LSM 780 Upright microscope	Zeiss		
MaiTai Deepsee far red pulsed-laser tuned at 980 nm	Spectra-Physics		
Non Descanned Detectors equipped with the filter sets cyan-yellow (BP450-500/ BP520-560), green-red (BP500-520/ BP570-610) and yellow-red (BP520-560/BP645-710)	Zeiss		
Obj: 20x water dipping 1.0 NA, long working distance	Zeiss		
P1000 and P200 pipettes			
Paraffin Oil	Nidacon	VNI0049	
Penicillin-streptomycin	Invitrogen	15070-063	(the final concentration should be 50 µg/mL penicillin and 50 µg/mL streptomycin)
Petri dishes 35 mm x 10 mm	BD Falcon	351008	

Pipette tips			
Polymethyl methacrylate			Reused from old laboratory equipment
Rat Serum culture embryo, male rats SPRAGUE DAWLEY RjHan SD	Janvier Labs	9979	
Set of 160 mm fines	RS PRO	541-6933	
Standard 1.0 mm glass capillaries	Anima Lab	1B100F-3	
Sterile 0.22 µm syringe filter	Corning	431218	
Sterile 5 mL syringe	Fisher Scientific	15809152	
Tungsten needles			
Ultrasonic homogeniser (sonicator)	Bandelin	BASO_17021	