

Materials List for:

Development of an Ethanol-induced Fibrotic Liver Model in Zebrafish to Study Progenitor Cell-mediated Hepatocyte Regeneration

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Materials

Name	Company	Catalog Number	Comments
Calcium sulfate hemihydrate (CaSO ₄)	Acros	AC385355000	
Magnesium sulfate (MgSO ₄)	EMD	MX0075	
1,4-Piperazinediethanesulfonic acid (PIPES)	Sigma-Aldrich	P6757	
Ethylene glycol-bis(2-aminoethylether)-N,N,N',N'-tetraacetic acid (EGTA)	Sigma-Aldrich	E3889	
Ethanol	Sigma-Aldrich	E7023	200 proof
Formaldehyde	Fisher Scientific	F79-500	
Metronidazole (MTZ)	Sigma-Aldrich	M3761	
1-phenyl-2-thiourea (PTU)	Sigma-Aldrich	P7629	
3-amino benzoic acid ethyl ester (Tricaine)	Sigma-Aldrich	A5040	
Phosphate-buffered saline (PBS) tablet	Amresco	E404	Dissolve one tablet with 100 ml distilled water
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich	D2438	
Bovine serum albumin	Fisher Scientific	BP1600	
Triton X-100	Fisher Scientific	BP151	
Low-melting agarose	Amresco	BP165	
Stem Cell Signaling Compound Library	Selleck Chemicals	L2100	10 mM stock in DMSO
ActiProbe-1K Library	Timtec	ActiProbe-1K	10 mM stock in DMSO
SB 415286	Selleck Chemicals	S2729	Dissolve with DMSO to 10 mM
CHIR-99021	Selleck Chemicals	S2924	Dissolve with DMSO to 10 mM
Anti-Collagen I antibody	Abcam	ab23730	Use at 1:100 for immunostaining, reacts with fish
AlexaFluor 647 Donkey anti-rabbit IgG (H+L)	Molecular Probes	A31573	Use at 1:200 for immunostaining
Mounting media (Vectorshield)	Vector Laboratories	H-1400	
100 mm Petri dish	VWR	25384-088	
24-well plate	VWR	10062-896	
Forceps	Fine Science Tools	11255-20	Dumont #55
Glass slide	VWR	48312-003	75x25 mm
Cover glass	VWR	48366-045	18 mm
Plastic wrap	Fisher Scientific	22305654	
Aluminum foil	Fisher Scientific	1213100	

Kimwipes	Kimberly-Clark	34155	
Vibrotome	Leica	VT1000 S	
Stereo microscope	Leica	M80	
Epifluoresence microscope	Leica	M205 FA	
Confocol microscope	Zeiss	LSM700	