

Materials List for:

# Histological Analyses of Acute Alcoholic Liver Injury in Zebrafish

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## Materials

Name	Company	Catalog Number	Comments
1.5 mL centrifuge tubes	E & K Scientific	280150	
15 mL conical tubes	VWR International	89039-664	
50 mL conical tubes	VWR International	89039-658	
95% ethanol (EtOH)	Decon Labs, Inc.	2801	Flammable
Acetic acid	Newcomer Supply	10010A	Irritant
Agarose	Research Products International	9012-36-6	
Aluminum jar rack holder	Newcomer Supply	5300JRK	
Bacteriological petri dishes with lid	Corning	351029	
Biopsy pads	Simport	M476.1	
Charged slides	Fisher Scientific	12-550-16	
Clear mounting media	Fisher Scientific	8310-16	Can be substituted with other clear mounting media
Commercial sea salts	Instant Ocean	SS15-10	
Disposable microtome blades	Fisher Scientific	4280L	
Dissecting microscope	Leica Biosystems	Leica Mz 95	
Enclosed tissue processor	Leica Biosystems	ASP300 S	
Eosin-Phloxine stain set	Newcomer Supply	1082A	
Ethyl alcohol	Sigma-Aldrich	E7023	Flammable
Formaldehyde solution, ACS reagent, 37 WT. % in H <sub>2</sub> O, contains 10 - 15% methanol as stabilizer (to prevent polymerization)	Sigma-Aldrich	252549	A suspected carcinogen; irritant
Formalin, Buffered, 10%	Fisher Scientific	SF100-4	A suspected carcinogen; irritant
Graduated media bottle	VWR International	16159-520	
Harris hematoxylin	Poly Scientific R&D Corp.	s212	Irritant
Histology molds	Sakura Finetek USA Inc	4557	
Hot plate/Stirrer	VWR International	47751-148	
Hydrochloric acid (HCl)	Fisher Scientific	A144	Irritant
Incubator	VWR International	97058-220	
Insulin syringes	BD Medical	BD-309301	
Inverted compound microscope	Carl Zeiss Microscopy	491912-9850-000	
Isopropanol	Newcomer Supply	12094E	Flammable
Methylene blue	Sigma-Aldrich	M9140	Irritant
Microtome	Leica Biosystems	Leica Jung BioCut 2035	
Nutating mixer	VWR International	82007-202	

Paraformaldehyde (PFA)	Sigma-Aldrich	P6148-1KG	A suspected carcinogen; irritant
Pasteur pipet	VWR International	53283-916	
Pipette pump (10 mL)	VWR International	53502-233	
Potassium chloride (KCl)	Sigma-Aldrich	P9541	
Potassium phosphate, monobasic (KH <sub>2</sub> PO <sub>4</sub> )	Sigma-Aldrich	P9791	
Razor blades	Grainger	4A807	
Slide Staining Kit	Newcomer Supply	5300KIT	
Sodium chloride (NaCl)	Sigma-Aldrich	S3014	
Sodium hydroxide (NaOH)	Fisher BioReagents	S318-500	Very hazardous
Sodium phosphate, dibasic (Na <sub>2</sub> HPO <sub>4</sub> )	Sigma-Aldrich	S3264	
Stainless steel strainer (5 inch diameter)	Adaptive Science Tools	L0906045in	
Tissue cassettes	Simport	M505.12	
Tissue embedding center	Sakura Finetek USA Inc	#5100	
Tissue wipers, 1-Ply	Fisher Scientific	06666A	
Transfer pipets	Fisher Scientific	137117M	
Tricaine powder/Ethyl 3-aminobenzoate methanesulfonate salt	Sigma-Aldrich	A5040	Irritant
Tris base, primary standard and buffer	Sigma-Aldrich	T1503	
Wash bottle, low-density polyethylene, wide mouth	Nalge Nunc International	2402-0750	
Xylenes	Fisher Scientific	X3S-4	Irritant