

Materials List for:

Dissection of the Auditory Bulla in Postnatal Mice: Isolation of the Middle Ear Bones and Histological Analysis

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Materials

Name	Company	Catalog Number	Comments
Tools/Equipment			
Paper towel	Daio Paper Corporation	703347	can be purchased from other vendors
Glass Jar	Various		can be purchased from other vendors
14 cm surgical scissors	Fine Science Tools (F.S.T.)	91400-14	can be purchased from other vendors
Extra fine scissors-straight	Fine Science Tools (F.S.T.)	14084-08	can be purchased from other vendors
Fine Forceps Angled 45°	Fine Science Tools (F.S.T.)	11063-07	can be purchased from other vendors
Dissecting microscope	Nikon	SMZ800N	for routine dissection
Dissecting microscope	Nikon	SMZ18	for movies
Injection needle 27 G	TERUMO	NN-2719S	
Syringe (1 mL)	TERUMO	SS-01T	
Marking Pin	Various		
Tube rotator RT-50	TAITEC	0000165-000	can be purchased from other vendors
Cryostat	Leica	CM3050S	http://www.leicabiosystems.com/histology-equipment/cryostats/details/product/leica-cm3050-s/
TC-65 Tungsten blade	Leica	14021626379	for Kawamoto's firm method
Stainless containers	Leica		for Kawamoto's firm method
Cryofilm type IIC	Leica		for Kawamoto's firm method
Silane coated slide (New Silane II)	Muto Pure Chemicals	511617	can be purchased from other vendors
Cover glass	Matsunami		can be purchased from other vendors
Tissue processor	Sakura Finetek	VIP-5	can be purchased from other vendors
Tissue Embedding Console System	Sakura Finetek	Tissue-Tek TEC 5	can be purchased from other vendors
Sliding microtome for paraffin	Yamato Kohki Industrial	REM-710	can be purchased from other vendors
Path Blade+pro for hard tissue	Matsunami	PB3503C	for paraffin section
Micro-CT	RIGAKU	R_mCT2	http://www.rigaku.com/en
Fluorescence microscope	KEYENCE	BZ-9000	

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Reagents			
Isoflurane	Maruishi pharmaceutical Co. Ltd		
NaCl	wako	191-01665	for PBS
KCl	wako	285-14	for PBS
Na ₂ HPO ₄ 12H ₂ O	wako	196-02835	for PBS
KH ₂ PO ₄	wako	287-21	for PBS
Paraformaldehyde (PFA, EM Grade)	TAAB	P001	
EDTA-2Na	wako	15111-45	
Trizma base	Sigma	T1503-1KG	
Super Cryoembedding Medium	Leica		for Kawamoto's firm method
Dry Ice	Various		for Kawamoto's firm method
Hexane	wako	080-03423	for Kawamoto's firm method
Super Cryomouting Medium type R2	Leica		for Kawamoto's firm method
Paraffin	Sakura Finetek	781001A0107	
Histo-Clear	NDS	HS-200	
Calcein	DOJINDO	340-00433	
Hematoxylin	wako	131-09665	
Eosin	wako	051-06515	