

Materials List for:

Induction of Atherosclerotic Plaques Through Activation of Mineralocorticoid Receptors in Apolipoprotein E-deficient Mice

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Materials

Name	Company	Catalog Number	Comments
Adjusted calories diet (42 % from fat)	Envigo	TD.88137	atherogenic diet
Osmotic minipump with filling tube	Alzet	model 1004	for continuous release
Aldosterone	SIGMA	A9477	hormone
Ethanol	SIGMA	34852-M	solvent
Alcohol Preps saturated with 70 % Isopropyl Alcohol	Kendal Webcol	6818	Disinfectant
Surgery wire (Vicryl 6.0)	Demas	500004	surgery
10% Povidone/iodine ointment	Aplicare-Meriden	52380-0026-1	Antiseptic
Formalin 10%	SIGMA	HT5012	to fix vasculature
Cryomold	Bio-Optica	07-MP1515	for embedding
O.C.T. Compound	Sakura Finetek	4583	for embedding
Cryostat	Leica	CM1900	instrument for sectioning
Dulbecco's Phosphat Buffered Saline	Aurogene	AU-L0615-500	buffer solution
Adhesion Slides Polysine	VWR	631-0107	microscope glasses
Cover Glasses	Bio-Optica	72015	cover glasses
Formaldehyde 37%	SIGMA	252549	solvent
Oil Red O solution (0.5 % in isopropanol)	SIGMA	O1391	staining solution
Mayer's Hematoxylin	SIGMA	MHS32	staining solution
Lithium Carbonate	SIGMA	62470	washing buffer
Acqueous Mounting Medium	Thermo Scientific	TA-125-AM	mounting solution
Acetone	SIGMA	179124	solvent
Phosphomolybdic acid solution	SIGMA	HT153	for hystology
Direct Red 80 (Picrosirius Red)	SIGMA	365548	staining solution
Bio Clear (clearing agent of terpene origin)	Bio-Optica	06-1782D	product for the preparation of histological samples
Eukitt Quick Hardening mounting medium (Poly(butyl methacrylate-co-methyl methacrylate)	SIGMA	3989	mounting solution
Sodium Dodecyl Sulfate	Fluka	71725	powder
Hydrogen Peroxide solution (30 %)	SIGMA	H1009	solution
Vectorstain ABC KIT including: anti-rabbit IgG ABC, normal rabbit	Vector Laboratories	PK-6100	staining solution

serum, Secondary-biotinylated Anti-Rat IgG ,			
3-amino-9-ethylcarbazole	Vector Laboratories	SK-4200	staining solution
Mac3 antibody	BD Biosciences	553322	antibody
ImagePro Premier 9	Media Cybernetics	050910000-2534	software to analyze images