

Materials List for:

Quantitative Analysis and Characterization of Atherosclerotic Lesions in the Murine Aortic Sinus

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URL: <https://www.jove.com/video/50933>

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Materials

Name	Company	Catalog Number	Comments
LDLR-deficient mice (D2.129S7(B6)-Ldlrtm1Her/J)	The Jackson Laboratory	stock #002207	
Formalin	Sigma-Aldrich	HT5011	
Histology Molds	Ted Pella Inc	27195	
Paraffin	Paramat	19286-10	
Coated slides	Fisher	12-550-15	
Solvent containers	Tissue Tek II	4457	
Microtome	Leica	RM22S5	
Water bath	VWR	80086-982	
Microscope	Olympus	BX41TF	
Camera	Olympus	DP72	
ImageJ	NIH	www.rsweb.nih.gov/ij/	
Processor	Sakura Finetek	VIP6-A1	
Processing cassettes	VWR	18000-134	
Preassure Cooker	Nordic Ware		
Coverslip	Fisher	12-545-M	
PBS	Sigma-Aldrich	P3813	
Microtome blade	Thermo Scientific	30-518-35	
Antifade mounting medium	Sigma-Aldrich	F-4680	
Xylene mounting medium	Sigma-Aldrich	44581	
Aquous mounting medium	Sigma-Aldrich	I1161	
Mac-3 antibody	BD Pharmingen	553322	
DAPI	Sigma-Aldrich	D9542	
F4/80 antibody	Abcam	Ab6640	
Alpha actin antibody	Santa Cruz Biotechnology	SC-32251	
Mayer's Hematoxylin	Sigma-Aldrich	E4382	
Eosin Y	Sigma-Aldrich	MHS16	
DAB (3,3'-Diaminobenzidine)	Dako	K3468	