

Materials List for

Murine Excisional Wound Healing Model and Histological Morphometric Wound Analysis

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Corresponding Author	Citation	Citation		
Martine Dunnwald	Rhea, L., Dunnwald, M. Murine	Rhea, L., Dunnwald, M. Murine Excisional Wound Healing Model and Histological		
martine-dunnwald@uiowa.edu	Morphometric Wound Analysis. J. Vis. Exp. (), e61616, doi:10.3791/61616 (2020).			
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Materials

Name	Company	Catalog Number	Comments
100% ethanol	Company	Catalog Number	Comments
70% ethanol			
80% ethanol			
95% ethanol			
Alcohol Prep	NOVAPLUS	V9100	70% Isopropyl alcohol, sterile
Ammonium hydroxide			
Biopsy pads	Cellpath	22-222-012	
Black plastic sheet			Something firm yet manipulatable about the size of a sheet of paper
Brightfield microscope			With digital acquisition capabilities and a 4X objective
Cotton tipped applicators			
Coverslips			22 x 60 #1
Dental wax sheets			
Digital camera			Include a ruler for scale, if applicable
Dissection teasing needle (straight)			
Embedding molds			22 x 22 x 12
Embedding rings	Simport Scientific Inc.	M460	
Eosin Y			
Glacial acetic acid			
Hair clipper			
Heating pad	Conair		Moist dry Heating Pad
Hematoxylin			
Microtome			
Microtome blades			
Paint brushes			
Paraffin Type 6			
Paraformaldehyde			
Permount			



Phosphate buffer solution (PBS)			
Povidone-iodine	Aplicare	82-255	
Processing cassette	Simport Scientific Inc.	M490-2	
Razor blades	ASR		.009 Regular Duty
Scalpel blades #10			
Scalpel handle			
Sharp surgical scissors			sterile for surgery
Skin biopsy punches			Size as determined by researcher
Slide boxes			
Slide warmers			
Superfrosted microscope slides	Fisher Scientific	22 037 246	
Temperature control water bath			
Tissue embedding station			Minimum of a paraffin dispenser and a cold plate
Tissue processor			Minimum of a oven with a vacuum pump
Triple antibiotic opthalmic ointment			
tweezers, curved tip			sterile for surgery
tweezers, tapered tip			sterile for surgery
WypAll X60	Kimberly-Clark	34865	