

Materials List for:

An Alkali-burn Injury Model of Corneal Neovascularization in the Mouse

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URL: <https://www.jove.com/video/51159>

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Materials

Name	Company	Catalog Number	Comments
1 ml Syringe	BD	309659	
18 G Needle	BD	305918	
10 ml Syringe	BD	306575	
25 G Needle	BD	305916	
Anti-F4/80 (rat anti-mouse)	AbD Serotech	MCA497RT	
Anti-LYVE-1 (rabbit anti-mouse)	Abcam	ab14917	
Anti-PECAM-1 (rat anti-mouse)	BD	553370	
Anti-IgG Alexa 488 (goat anti-rat)	Invitrogen	A11006	
Anti-IgG Alexa 594 (goat anti-rabbit)	Invitrogen	A11012	
Camera	Tucsen	TCC 5.0 ICE	
Coverslips	Fisher	12-548-B	
DMSO	Sigma	D4540-1L	Caution: Mutagenic, Toxic
Forceps (Blunt), Iris	WPI	15915	
Forceps (Sharp), Dumont #4	WPI	500340	
KCI	Fisher	P217-500	
Ketamine Solution	MedVet	RXKETAMINE	Controlled substance, proper license required for use.
Light Source for Microscope	AmScope	LED-14M-YA	
Microscope (Stereo 7X-45X)	AmScope	SM-1B	
Mounting Medium, VECTASHIELD	Vector	H-1000	
NaCl	Fisher	S271-10	
NaH ₂ PO ₄	Fisher	S397-500	
NaOH	Fisher	S318-1	Caution: Corrosive
Paraformaldehyde		P6148-500G	Caution: Allergenic, Carcenogenic, Toxic
Proparacaine Hydrochloride	Sigma	P4554-1G	
Scissors (5 mm blade), Vanas	WPI	14003	
Goat Serum	MPBio	92939249	
Microscope Slides	Fisher	12-550-15	
Triton X-100	Sigma	T8787-100ML	
Whatman Grade 1 Filter Paper	Whatman	1001-6508	
Xylazine Solution	MedVet	RXANASED-20	