

Materials List for:

Ischemic Tissue Injury in the Dorsal Skinfold Chamber of the Mouse: A Skin Flap Model to Investigate Acute Persistent Ischemia

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Materials

Name	Company	Catalog Number	Comments
C57Bl/6 mice, 6-8 w, 20-22 g	Charles River		
Depilation cream	Balea		Any depilation cream
Titanium chamber	Irola	160001	Halteblech M
Custom-made Plexiglass mounting frame			Frame to secure chamber to avoid chamber movement due to the animal's respiration.
Slotted cheese head screw	Screws and More	842210	DIN84 M2x10
Hexagon full nut	Screws and More	93422	DIN934 M2
Snap ring	Schaefer-Peters	472212	DIN472 J12x1,0
Cover glass	Volab		Custom-made cover glass, 11.8 mm in diameter.
Fixing foam	tesamoll	05559-100	tesamoll Standard I-Profile
Ketamine hydrochloride	Parke Davis		Ketavet®
Dihydroxylidinothiazine hydrochloride	Bayer		Rompun®
Buprenorphin	Essex Pharma		Temgesic®
Saline 0.9%			
Desinfection alcohol			
Vicryl 5-0	Ethicon	V 490 H	
Ethilon 5-0	Ethicon	EH 7823 H	
1 ml syringes			
Surgical skin marker with flexible ruler	Purple surgical	PS3151	Any surgical skin marker and flexible ruler
Pointed scissors			
Micro-Scissors			
Normal scissors			
2 clamps			
Fine anatomic forceps			
Micro-forceps			
Hex nuter driver	wiha	1018	
Screwdriver	wiha	685	
Snap ring plier	Knipex	4411J1	12-25 mm

Wire cutter	Knipex	70 02 160	Wire cutter is used to cut screws short; 160 mm
Trans-illumination light	IKEA	501.632.02	LED light Jansjö; any light
Magnification glasses			
Intravital microscope	Zeiss	490035-0001-000	Scope.A1.Axiotech
LED system	Zeiss	423052-9501-000	Colibri.2
LED module 365nm	Zeiss	423052-9011-000	
LED module 470nm	Zeiss	423052-9052-000	
LED module 540-580nm	Zeiss	423052-9121-000	
Filter set 62 62 HE BFP + GFP + HcRed	Zeiss	489062-9901-000	Range 1: 350-390 nm excitation wavelength, split 395 nm / 402-448 nm; range 2: 460-488 nm, split 495 nm / 500-557 nm; range 3: 567-602 nm, split 610 nm / 615 nm to infinite.
Filter set 20 Rhodamine	Zeiss	485020-0000-000	540-552 nm, split 560 nm, emission 575-640 nm
2.5X objective NA=0.06	Zeiss	421020-9900-000	A-Plan 2.5X/0.06
5X objective NA=0.16	Zeiss	420330-9901-000	EC Plan-Neofluar 5X/0.16 M27
10X objective NA=0.30	Zeiss	420340-9901-000	EC Plan-Neofluar 10X/0.30 M27
20X objective NA=0.50	Zeiss	420350-9900-000	EC Plan-Neofluar 20X/0.50 M27
50X objective NA=0.55	Zeiss	422472-9960-000	LD Epiplan-Neofluar 50X/0.55 DIC 27
ZEN imaging software	Zeiss		ZenPro 2012
CapImage	Dr. Zeintl		
Fluorescein isothiocyanate-dextran	Sigma-Aldrich	45946	
bisBenzimide H 33342 trihydrochloride	Sigma-Aldrich	B2261	Harmful if swallowed; causes severe skin burns and eye damage, may cause respiratory irritation.
Rhodamine 6G chloride	Invitrogen	R634	Harmful if swallowed; may cause genetic defects; may cause cancer; may damage fertility or the unborn child.
Pentobarbital	Merial		Narcoren®