

Materials List for:

Murine Aortic Crush Injury: An Efficient *In Vivo* Model of Smooth Muscle Cell Proliferation and Endothelial Function

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Materials

Name	Company	Catalog Number	Comments
Ocular lubricant	Dechra	17033-211-38	Pharmaceutical agents
Isoflurane	VetOne	502017	Pharmaceutical agents
Carprofen	Zoetis	26357	Pharmaceutical agents
Precision vaporizer	Summit Medical	10675	Surgical supplies
Charcoal scavenger	Bickford Inc.	80120	Surgical supplies
Isothermal pad	Harvard Apparatus	50-7053-R	Surgical supplies
Sterile cotton-tipped applicator	Fisher Scientific	23-400-124	Surgical supplies
4-0 absorbable monofilament suture	Ethicon, Inc	J310	Surgical supplies
5-0 non-absorbable monofilament suture	Ethicon, Inc	1666	Surgical supplies
21-gauge x 1 inch needle	BD Biosciences	305165	Surgical supplies
25-gauge x 1 inch needle	BD Biosciences	305125	Surgical supplies
Dry sterilizer	Cellpoint	7770	Surgical supplies
Fine scissors	Fine Science Tools	14058-09	Surgical instruments
Adson forceps	Fine Science Tools	11006-12	Surgical instruments
Dumont #5 fine forceps	Fine Science Tools	11254-20	Surgical instruments
Vannas Spring Scissors 3 mm cutting edge	Fine Science Tools	15000-00	Surgical instruments
Needle driver	Fine Science Tools	91201-13	Surgical instruments
Scalpel handle #4	Fine Science Tools	10004-13	Surgical instruments
Scalpel blades #10	Fine Science Tools	10010-00	Surgical instruments
PBS	Lonza	17-516F	Reagents for tissue processing
Evans Blue	Sigma-Aldrich	E2129	Reagents for tissue processing
Paraformaldehyde	Sigma-Aldrich	P6148	Reagents for tissue processing
Modeling wax	Bego	40001	Reagents for tissue processing
OCT compound	Tissue-Tek Sakura	4583	Reagents for tissue processing
Mayer's hematoxylin solution	Sigma-Aldrich	MHS16	Reagents for immunohistological analysis
Eosin Y solution alcoholic	Sigma-Aldrich	HT110316	Reagents for immunohistological analysis
Elastin stain kit	Sigma-Aldrich	HT25A	Reagents for immunohistological analysis

Click-it Edu Alexa-488 Imaging Kit	Invitrogen	C10337	Reagents for immunohistological analysis
Anti-Erk1/2 antibody	Cell Signaling Technology	4695	Reagents for immunohistological analysis
Anti-phospho-Erk1/2 antibody	Cell Signaling Technology	4370	Reagents for immunohistological analysis
Anti-p27kip1 antibody	Cell Signaling Technology	3698	Reagents for immunohistological analysis
Trichloroacetic acid	Sigma-Aldrich	T9159	Reagents for immunohistological analysis