

Materials List for:

Intravascular Delivery of Biologics to the Rat Kidney

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Materials

Name	Company	Catalog Number	Comments
Surgical Microscope	Leica	M125	
Isoflurane 100 ml	Cardinal Healthcare	PI23238	Anesthetic
Buprenorphine HCL SR LAB 1 mg/ml, 5 ml	ZooPharm Pharmacy		Buprenorphine narcotic analgesic formulated in a polymer that slows absorption extending duration of action (72 hr duration of activity). Liquid is viscous, warming to RT aids in drawing into syringe. Recommended dosage: 1 - 1.2 mg/kg SC. DO NOT DILUTE.
Puralube Vet Ophthalmic Ointment	Dechra	NDC17033-211-38	Sterile ocular lubricant
Lactated Ringer's Injection, USP, 250 ml VIAFLEX Plastic Container	Baxter Healthcare Corp.	NDC0338-0117-02	For body fluids replacement
Sol Povidone-Iodine Swabstick, 3'	Cardinal Healthcare	23405-010B	
Sterile cotton tipped applicators	Kendall	8884541300	
4-0 silk suture (without needle)	Cardinal Healthcare	A183H	
Vessel Clip, Straight, 0.75 mm x 4 mm Jaw	World Precision Instruments	501779-G	
I.V. Catheter, Straight Hub, Radiopaque, 24 g x 3/4", FEP Polymer	Jelco	4053	
Phosphate Buffered Saline	Life Technologies	10010023	
SURGIFOAM Absorbable Gelatin Sponge	Cardinal Healthcare	179082	
4-0 VICRYL PLUS (ANTIBACTERIAL) VIOLET 27" RB-1 TAPER	Ethicon	VCP304H	For muscle layer suturing
4-0 VICRYL PLUS (ANTIBACTERIAL) UNDYED 18" PC-3 CUTTING	Ethicon	VCP845G	For skin layer suturing
Triple antibiotic ointment	Actavis	NDC0472-0179-56	For topical use on the site of the incision
Recombinant Rat VEGF 164 Protein	R&D Systems	564-RV	
Rabbit monoclonal VEGFA	Abcam	ab46154	
Rabbit monoclonal FLK1	Cell Signaling	9698	
Rabbit monoclonal AKT	Cell Signaling	4691	
Rabbit monoclonal phosphoAKT (Ser 473)	Cell Signaling	4060	

Rabbit monoclonal p44/42 MAPK (ERK1/2)	Cell Signaling	4695	
Rabbit monoclonal phospho p44/42 MAPK (Thr202 and Tyr 204)	Cell Signaling	4370	