

Materials List for:

Hydrodynamic Renal Pelvis Injection for Non-viral Expression of Proteins in the Kidney

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Materials

Name	Company	Catalog Number	Comments
AnaSed Xylazine	Patterson Veterinary	07-808-1947	Anesthetic - Not controlled substance
BD Insulin Syringe 0.5 mL 29G 1/2 Inch	Cardinal Health	309306	Required syringes
Buprenex	Pharmacist/Veterinarian		Analgesia - Controlled Substance
Dynarex Disposable Towel Drape	Thermo Fisher Scientific	19-310-671	Place over heat pad
EndoFree Plasmid Maxi Kit	Qiagen	12362	Use only endotoxin-free plasmid DNA
Endosafe Gel-Clot LAL Rapid Positive Control	Charles River	PC200	Positive control for endotoxin test
Endosafe Gel-Clot LAL Rapid Single Test Vial	Charles River	R13500	Endotoxin test
Extra Fine Micro Dissecting Scissors	Roboz Surgical Instrument	RS-5882	Surgical tool
Fisherbrand Instant Sealing Sterilization Pouch - 9"	Thermo Fisher Scientific	01-812-51	For autoclaving surgical tools
Gaymar Heat Pump	Paragon Medical	TP-700	Water-circulating heat pump
Germinator 500	Roboz Surgical Instrument	DS-401	To reuse surgical tools during surgery
Graefe Forceps	Roboz Surgical Instrument	RS-5136	Surgical tool
Graefe Tissue Forceps	Roboz Surgical Instrument	RS-5153	Surgical tool
Halsey Needle Holder, 5" Length	Roboz Surgical Instrument	RS-7841	Surgical tool
Heat pads - 15" x 21" - need at least 3	Paragon Medical	TP22G	For use with Gaymar Heat Pump
IsoFlo (Isoflurane, USP)	Abbott Animal Health	5260-04-05	For imaging and euthanasia
Isotec Isoflurane Delivery System Vaporizer	Smiths Medical	VCT3K2	For imaging and euthanasia
Ketamine	Pharmacist/Veterinarian		Anesthetic - Controlled Substance
Kimwipes	Kimberly-Clark Professional	34120	Laboratory tissues
Living Image software	Caliper Life Sciences		For live animal imaging
Luciferin	Perkin Elmer	122796	For live animal imaging
Nanodrop 2000	Thermo Scientific	ND-2000-US-CAN	Spectrophotometer for DNA measurement
Prevacis Swabs	Thermo Fisher Scientific	23-100-110	For skin surgery prep
Prolene 5-0 sutures Taper 30"	Thermo Fisher Scientific	NC0256891	Non-absorbable sutures for skin

Puralube Brand Ophthalmic Ointment	Patterson Veterinary	07-888-2572	To keep eyes moist during surgery
Trans IT - QR Hydrodynamic Delivery Solution	Mirus Bio	MIR-5240	Hydrodynamic delivery buffer for diluting DNA
Vicryl 5-0 Sutures J303H	Thermo Fisher Scientific	NC9816710	Absorbable sutures for muscle layer
Wahl Mini Arco Clipper	Med-Vet International	8787-1550	Shaver for skin prep
Xenogen IVIS 200	Caliper Life Sciences		For live animal imaging