

Materials List for:

In Vivo Gene Transfer to the Rabbit Common Carotid Artery Endothelium

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Materials

Name	Company	Catalog Number	Comments
Disposables			
3mL syringe with 24G needle	Becton Dickinson	309571	2x for gene transfer surgery; 3x for harvest surgery
1mL syringe with 27G needle	Becton Dickinson	309623	6x for gene transfer surgery; 1x for harvest surgery
20mL syringe, luer lock	Nipro Medical Corp	JD+20L	
Catheters, 24G x 3/4"	Terumo Medical Products	SROX2419V	
19G needle	Becton Dickinson	305187	Gene transfer surgery only
21G needle	Becton Dickinson	305165	For 20 mL syringe of saline
Gauze 4" x 4"	Dynarex	3242	~10-15 per surgery
3-0 silk suture	Covidien Ltd.	S-244	
5-0 silk suture	Covidien Ltd.	S-182	Gene transfer surgery only
7-0 polypropylene suture	CP Medical	8648P	Gene transfer surgery only
5-0 polyglycolic acid suture	CP Medical	421A	Gene transfer surgery only
3-0 polyglycolic acid suture	CP Medical	398A	Gene transfer surgery only
Alcohol swabs	Covidien Ltd.	6818	For placement of I.V. line
Catheter plug	Vetoquinol	411498	Gene transfer surgery only
Ketamine HCl, 100 mg/mL	Vedco Inc.	05098916106	
Xylazine, 100 mg/mL	Akorn Inc.	4821	
Lidocaine HCl, 2%	Pfizer	00409427702	
Bupivacaine HCl, 0.5%	Pfizer	00409161050	
Beuthanasia D-Special	Intervet Inc.	NDC 00061047305	Harvest surgery only
Buprenorphine HCl, 0.3 mg/mL	Patterson Veterinary	12496075705	Gene transfer surgery only
Saline IV bag, 0.9% sodium chloride	Baxter	2B1309	2x for gene transfer surgery; can use vial of sterile saline in place of one
Heparin (5000 U/mL)	APP Pharmaceuticals	NDC 63323-047-10	Gene transfer surgery only
Fentanyl patch, 25 mcg/hr	Apotex Corp.	NDC 60505-7006-2	Gene transfer surgery only
Isoflurane	Multiple vendors	Catalog number not available	
Gene transfer vector			Dilute 350 µL per artery; 2 x 10 ¹¹ vp/mL for adenovirus; gene transfer surgery only
Surgical Instruments			
Metzenbaum needle holder 7" straight	Roboz	RS-7900	Gene transfer surgery only
Operating scissors 6.5" straight blunt/blunt	Roboz	RS-6828	
Needle holder /w suture scissors	Miltex	8-14-IMC	Gene transfer surgery only

Castroviejo scissors	Roboz	RS-5658	
Castroviejo needle holder, 5.75" straight with lock	Roboz	RS-6412	Gene transfer surgery only
Stevens scissors 4.25" curved blunt/blunt	Roboz	RS-5943	
Alm retractor 4" 4X4 5mm blunt prongs	Roboz	RS-6514	2x
Backhaus towel clamp 3.5"	Roboz		4x
Micro clip setting forceps 4.75"	Roboz	RS-6496	Gene transfer surgery only
Micro vascular clips, 11 mm	Roboz		2x for gene transfer surgery only
Surg-I-Loop	Scanlan International	1001-81M	5 cm length
Bonaccolto forceps, 4" (10 cm) long longitudinal serrations, cross serrated tip, 1.2mm tip width	Roboz	RS-5210	
Dumont #3 forceps Inox tip size .17 X .10mm	Roboz	RS-5042	
Graefe forceps, 4" (10 cm) long serrated straight, 0.8mm tip	Roboz	RS-5280	
Halstead mosquito forceps, 5" straight, 1.3mm tips	Roboz	RS-7110	2x
Halstead mosquito forceps, 5" curved, 1.3mm tips	Roboz	RS-7111	
Jacobson mosquito forceps 5" curved extra delicate, 0.9 mm tips	Roboz	RS-7117	
Kantrowitz forceps, 7.25" 90 degree delicate, 1.7 mm tips	Roboz	RS-7305	
Tissue forceps 5", 1X2 teeth, 2 mm tip width	Roboz	RS-8162	
Allis-Baby forceps, 12 cm, 4x5 teeth, 3 mm tip width	Fine Science Tools	11092-12	2x
Adson forceps, 12 cm, serrated, straight	Fine Science Tools	11006-12	
Veterinary electrosurgery handpiece and electrode	MACAN Manufacturing	HPAC-1; R-F11	
Surgical Suite Equipment			
Circulating warm water blanket and pump	Multiple vendors	Catalog number not available	
Forced air warming unit	3M	Bair Hugger Model 505	Gene transfer surgery only
IV infusion pump	Heska	Vet IV 2.2	Gene transfer surgery only
Isoflurane vaporizer and scavenger	Multiple vendors	Catalog number not available	
Veterinary multi-parameter monitor	Surgivet	Surgivet Advisor	
Veterinary electrosurgery unit	MACAN Manufacturing	MV-9	
Surgical microscope	D.F. Vasconcellos	M900	Needs ~16x magnification