

Materials List for:

Vascular Gene Transfer from Metallic Stent Surfaces Using Adenoviral Vectors Tethered through Hydrolysable Cross-linkers

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Materials

Name	Company	Catalog Number	Comments
316 stainless steel mesh disks	Electon Microscopy Sciences	E200-SS	
Generic 304-grade stainless steel stents	Laserage	custom order	
Ad _{eGFP}	University of Pennsylvania Vector Core	AD-5-PV0504	
Ad _{Luc}	University of Pennsylvania Vector Core	AD-5-PV1028	
Ad _{EMPTY}	University of Pennsylvania Vector Core	A858	
Cy3(NHS) ₂	GE Healthcare	PA23000	
Sepharose 6B	Sigma-Aldrich	6B100-500ML	
UV 96-well plates	Costar	3635	
Fluorometry 96-well plates	Costar	3915	
Cell culture 96-well plates	Falcon	353072	
Tris(2-carboxyethyl)phosphine hydrochloride (TCEP)	Pierce Thermo Scientific	20490	
Dithiothreitol (DTT)	Pierce Thermo Scientific	20290	
sulfo-LC-SPDP	Pierce Thermo Scientific	21650	
Spectrophotometer	Molecular Devices	SpectraMax 190	
Spectrofluorometer	Molecular Devices	SpectraMax Gemini EM	
Orbital shaker incubator	VWR	1575R	
Horizontal airflow oven	Shel Lab	1350 FM	
Centra-CL2 centrifuge	International Equipment Company	426	
Digital vortex mixer	Fisher Thermo Scientific	02-215-370	
Eclipse TE300 fluorescence microscope	Nikon	TE300	
DC 500 CCD camera	Leica	DC-500	
7500 Real-Time PCR system	Applied Biosystems	not available	
IVIS Spectrum bioluminescence station	Perkins-Elmer	not available	
EDTA dipotassium salt	Sigma-Aldrich	ED2P	
Bovine serum albumin fraction V (BSA)	Fisher Thermo Scientific	BP1600-100	
Tween-20	Sigma-Aldrich	P1379	
Dumont forceps	Fine Science Tools	11255-20	
A10 cell line	ATCC	CRL-1476	
Bovine aortic endothelial cells	Lonza	BW-6002	

Luciferin, potassium salt	Gold Biotechnology	LUCK-1Ge	
Pluronic F-127	Sigma-Aldrich	P2443-250G	
PBS without calcium and magnesium	Gibco	14190-136	
Fetal bovine serum	Gemini Bio-Products	100-106	
Penicillin/Streptomycin solution	Gibco	11540-122	
DMEM, high glucose	Corning cellgro	10-013-CV	
0.25% Trypsin/EDTA	Gibco	25200-056	
QIAamp DNA micro kit	Qiagen	56304	
Power Sybr Green PCR Master Mix	Applied Biosystems	4367659	
MicroAmp Optical 96-well Reaction Plate	Applied Biosystems	N8010560	
MicroAmp Optical Adhesive Film	Applied Biosystems	4360954	
Cephazolin	Apotex	not available	
Loxicom (Meloxicam)	Norbrook	not available	
Heparin sodium	APP Pharmaceuticals	not available	
Ketavet (Ketamine)	VEDCO	not available	
Anased (Xylazine)	Lloid	not available	
Forane (Isoflurane)	Baxter	not available	
Curved Moria iris forceps	Fine Science tools	11370-31	
Curved extra-fine Graefe forceps	Fine Science Tools	11152-10	
Dumont #5 forceps	Fine Science Tools	11252-20	
Vannas spring scissors	Fine Science Tools	15018-10	
Fine scissors - ToughCut	Fine Science Tools	14058-09	
Surgical scissors	Fine Science Tools	14101-14	
Vicryl suture (5-0)	Ethicon	J385	
Suture thread (4/0 silk)	Fine Science Tools	18020-40	
Michel suture clips	Fine Science Tools	12040-02	
Wound dilator (Lancaster eye specula)	KLS Martin	34-149-07	
Hot bead sterilizer	Fine Science Tools	18000-45	
Michel suture clip applicator	Fine Science Tools	112028-12	
Insyte Autoguard 24 G IV catheter	Beckton-Dickinson	381412	
2F Fogarty catheter	Edwards Lifesciences	120602F	
Teflon tubing	Vention	041100BST	
PTA catheter	NuMed	custom order	
Gauze pads	Kendall Healthcare	9024	
Cotton applicators	Solon Manufacturing	WOD1003	
Saline	Baxter	281321	
10 ml syringe (Luer-Lok)	Beckton-Dickinson	309604	
1 ml syringe (Luer-Lok)	Beckton-Dickinson	309628	
Clippers with #40 blade	Oster	78005-314	
Transpore surgical tape	3M	MM 15271	
Puralube vet ointment	Pharmaderm	not available	