

Materials List for:

Vein Interposition Model: A Suitable Model to Study Bypass Graft Patency

Dong Wang^{1,2,3,4}, Grigol Tediashvili^{1,2,3}, Simon Pecha⁴, Hermann Reichenspurner⁴, Tobias Deuse^{1,2,3,4}, Sonja Schrepfer^{1,2,3,4}

¹Transplant and Stem Cell Immunobiology Lab, University Heart Center Hamburg

²Department of Surgery, Transplant and Stem Cell Immunobiology Lab, University of California San Francisco (UCSF)

³Cardiovascular Research Center (CVRC) and DZHK German Center for Cardiovascular Research, partner site Hamburg/Kiel/Luebeck

⁴Cardiovascular Surgery, University Heart Center Hamburg

Correspondence to: Sonja Schrepfer at Sonja.Schrepfer@ucsf.edu

URL: <https://www.jove.com/video/54839>

DOI: [doi:10.3791/54839](https://doi.org/10.3791/54839)

Materials

Name	Company	Catalog Number	Comments
Rat LEW/Crl	Charles River	Stock number 004	
Rat LEW-Tg(Gt(ROSA)26Sor-1 luc)11Jmsk	Institute of laboratory animals, Kyoto University, Japan	NBPR rat number 0299	http://www.anim.med.kyoto-u.ac.jp/NBR/
PFA 4%	Electron Microscopy Sciences	#157135S	20%
hair clipper	WAHL	8786-451A ARCO SE	
Forene	AbbVie	PZN 10182054 Art.Nr.: B506	Isoflurane
microsurgical clamp	Fine Science Tools	18055-04	Micro-Serrefine - 4 mm
clamp applicator	Fine Science Tools	18056-14	
hair removal creme	Rufin cosmetic	27618	
Povidone-Iodine	Betadine Purdue Pharma	NDC:67618-152	
10-0 Ethilon suture	Ethicon	2814G	
5-0 prolene suture	Ethicon	EH7229H	
Rimadyl	Pfizer	400684.00.00	Carprofen
Novaminsulfon	Ratiopharm	PZN 03530402	Metamizole
Heparin	Rotexmedica	PZN: 3862340	25.000 I.E./ ml
Xylocain 1%	AstraZeneca	PZN: 1137907	Lidocain
EVICEL	J&J Med.Ethicon Biosur	PZN 7349697 Art. Nr.:EVK01DE	fibrin glue
NaCl 0.9%	B.Braun	PZN 06063042 Art. Nr.: 3570160	
Vevo 770 high-resolution <i>in vivo</i> micro-imaging system	VisualSonics		duplex sonography
Ecogel 100 ultrasound gel	Eco-med	30GB	
D-Luciferin Firefly, potassium salt	Biosynth	L-8220	
PBS pH 7.4	Gibco	10010023	
Xenogen Ivis 200	Perkin Elmer		bioluminescence imaging
Weigerts iron hematoxylin Kit	Merck	1.15973.0002	Trichrome staining
Resorcine-Fuchsine Weigert	Waldeck	2.00E-30	Trichrome staining
Acid Fuchsin	Sigma-Aldrich	F8129-25G	Trichrome staining
Ponceau S solution	Serva Electrophoresis	33427	Trichrome staining
Azophloxin	Waldeck	1B-103	Trichrome staining
Molybdatophosphoric acid hydrate	Merck	1.00532.0100	Trichrome staining
Orange G	Waldeck	1B-221	Trichrome staining
Light Green SF	Waldeck	1B-211	Trichrome staining
Vitro-Clud	Langenbrinck	04-0001	

Glacial Acetic Acid	Sigma-Aldrich	537020	
37% HCl	Sigma-Aldrich	H1758	
Xylene	Th. Geyer	3410	
Paraffin	Leica biosystems	REF 39602004	
Ethanol absolute	Th. Geyer	2246	
Ethanol 96%	Th. Geyer	2295	
Ethanol 70%	Th. Geyer	2270	
Slide Rack	Ted Pella	21057	
Staining dish	Ted Pella	21075	
Bepanthen Eye and Nose ointment	Bayer	1578675	Eye ointment