

# Using a Cell-Tracer Injection to Investigate the Origin of Neointima-Forming Cells in a Rat Saccular Side Wall Model

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## Citation

Wanderer, S., Grüter, B.E., Kümín, J., Boillat, G., Sivanrupan, S., Catalano, K., von Gunten, M., Widmer, H.R., Marbacher, S., Anderegg, L. Using a Cell-Tracer Injection to Investigate the Origin of Neointima-Forming Cells in a Rat Saccular Side Wall Model. *J. Vis. Exp.* (181), e63580, doi:10.3791/63580 (2022).

## Date Published

March 16, 2022

## DOI

10.3791/63580

## URL

jove.com/video/63580

## Materials

Name	Company	Catalog Number	Comments
3-0 resorbable suture	Ethicon Inc., USA	VCP428G	
4-0 non-absorbable suture	B. Braun, Germany	G0762563	
6-0 non-absorbable suture	B. Braun, Germany	C0766070	
9-0 non-absorbable suture	B. Braun, Germany	G1111140	
Atipamezol	Arovet AG, Switzerland		
Bandpass filter blue	Thorlabs	FD1B	any other
Bandpass filter green	Thorlabs	FGV9	any other
Bipolar forceps			any other
Bicycle spotlight			any other
Board (20 x 10 cm)			any other
Buprenorphine	Indivior, Switzerland	1014197	
Camera	Sony NEX-5R, Sony, Tokyo, Japan		
Cannula (27-1/2 G)			any other
Cell count software	Image-J version 1.52n, U.S. National Institutes of Health, Bethesda, Maryland, USA, <a href="https://imagej.nih.gov/ij/">https://imagej.nih.gov/ij/</a>		
CellTracker CM-Dil dye	ThermoFisher SCIENTIFIC, USA	C7000	
Coil-Device	Styker, Kalamazoo, MI, USA		2 cm of Target 360 TM Ultra, 2-mm diameter
Disinfection			any other
Eye-lubricant			any other

Fentanyl	Sintetica, S.A., Switzerland	98683	any generic
Flumazenil	Labatec-Pharma, Switzerland		
Fluoresceine	Curatis AG	5030376	any generic
Fluorescence microscope	Olympus BX51, Hamburg, Germany; Cell Sens Dimension Imaging software v1.8		
Foil mask			any other
Glucose (5%)			any other
Heating pad	Homeothermic Control Unit, Harvard, Edenbridge, England		any other
Isotonic sodium chloride solution (0.9%)	Fresenius KABI	336769	any generic
Isoflurane			any generic
Longuettes			any other
Meloxicam	Boehringer Ingelheim	P7626406	any generic
Medetomidine	Virbac, Switzerland	QN05CM91	
Micro needle holder			any other
Midazolam	Roche, Switzerland		
Monitoring-system	Starr Life Sciences Corp., 333 Allegheny Ave, Oakmont, PA 15139, United States		
Needle holder			any other
O2-Face mask			any other
Operation microscope	OPMI, Carl Zeiss AG, Oberkochen, Germany		any other
Oxygen			any other
Rectal temperature probe			any other
Scalpell	Swann-Morton	210	any other
Small animal shaver			any other
Smartphone			any other
Sodium dodecyl sulfate (0.1%)	Sigma-Aldrich	11667289001	
Soft feed	Emeraid Omnivore		any generic
Soft tissue forceps			any other
Soft tissue spreader			any other
Stainless steel sponge bowls			any other
Stent-Device	Biotroni, Bülach, Switzerland		modified magmaris device, AMS with polymer coating, 6-mm length, 2-mm diameter
Sterile micro swabs			any other
Straight and curved microforceps			any other
Straight and curved microscissors			any other
Straight and curved forceps			any other
Surgery drape			any other
Surgical scissors			any other
Syringes 1 mL, 2 mL, and 5 mL			any other
Tape			any other
Vascular clip applicator	B. Braun, Germany	FT495T	
Yasargil titan standard clip (2x)	B. Braun Medical AG, Aesculap, Switzerland	FT242T	temporary