

Venous Thrombosis Assay in a Mouse Model of Cancer

Saran Lotfollahzadeh¹, Xiaosheng Yang¹, David Jasen Wu

Wong¹, Jingyan Han², Francesca Seta², Suvranu Ganguli³, Asha Jose¹, Katya Ravid^{4,5}, Vipul C. Chitalia^{1,6,7,8}

¹Renal Section, Department of Medicine, Chobanian and Avedisian School of Medicine, Boston University ²Vascular Biology Section, Department of Medicine, Chobanian and Avedisian School of Medicine, Boston University ³Division of Interventional Radiology, Department of Radiology, Chobanian and Avedisian School of Medicine, Boston University ⁴Department of Medicine, Whitaker Cardiovascular Institute, Chobanian and Avedisian School of Medicine, Boston University ⁵Department of Biochemistry and Cell Biology, Chobanian and Avedisian School of Medicine, Boston University ⁶Veterans Affairs Boston Healthcare System ⁷Institute of Medical Engineering and Sciences, Massachusetts Institute of Technology ⁸Center of Cross-Organ Vascular Pathology, Department of Medicine, Chobanian and Avedisian School of Medicine, Boston University

Corresponding Authors

Katya Ravid
kravid@bu.edu

Vipul C. Chitalia
vichital@bu.edu

Citation

Lotfollahzadeh, S., Yang, X., Wu Wong, D.J., Han, J., Seta, F., Ganguli, S., Jose, A., Ravid, K., Chitalia, V.C. Venous Thrombosis Assay in a Mouse Model of Cancer. *J. Vis. Exp.* (2023), e65518, doi:10.3791/65518 (2024).

Date Published

January 5, 2024

DOI

10.3791/65518

URL

jove.com/video/65518

Materials

Name	Company	Catalog Number	Comments
Buprenorphine 0.3 mg/mL	PAR Pharmaceutical	NDC 42023-179-05	
C57BL/6J mice	The Jackson Lab	IMSR_JAX:000664	
Caliper	VWR International, Radnor, PA	12777-830	
CD31	Abcam	Ab9498	
Cell Counter	MOXIE	MXZ000	
Clamp	Fine Science Tools	13002-10	
Clips ASSI.B2V Single Clamp, General Purpose,	Accurate Surgical & Scientific Instruments	PR 2 144.50 289.00	
Dumont #5SF Forceps	Fine Science Tools	11252-00	
Fibrin	Millipore	MABS2155-100UG	
Fine Scissors - Large Loops	Fine Science Tools	14040-10	
Forceps	Fine Science Tools	11002-12	
Hill Hemostat	Fine Science Tools	13111-12	
Isoflurane, USP	Covetrus	NDC 11695-6777-2	
MC-38 cell	Sigma Aldrich	SCC172	
Microscope	Nikon Eclipse Inverted Microscope	TE2000	
Scissors	Fine Science Tools	14079-10	
Suture- Vicryl	AD-Surgical	#L-G330R24	
Suture-Nylon 2-0	Ethicon	664H	
Suture-Prolene 5-0	Ethicon	8661G	
Suture-Prolene 6-0	Ethicon	PDP127	
VEV03100	VisualSonics	FujiFilm	
VitroGel Matrigel Matrix	The Well Bioscience	VHM01	