

Materials List for:

# Spatial Temporal Analysis of Fieldwise Flow in Microvasculature

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URL: <https://www.jove.com/video/60493>

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## Materials

Name	Company	Catalog Number	Comments
#5 forceps	Fine Science Tools	11251-20	Dumont #5 Inox Forceps
C57BL/6 mice	Jackson Labs		male 9-12 weeks old
Cannula	Instech	BTPE-10	Polyethylene Tubing .011x.024in
CMOS camera	Hamamatsu	C11440-42U30	4.0LT Scientific CMOS
Coverslip-bottomed dish	Electron Microscopy Sciences		WillCo Dish glass bottom GWST5040
Dissecting scissors	Fine Science Tools		
Fiji ImageJ Image analysis software			<a href="https://fiji.sc/">https://fiji.sc/</a> ; <a href="https://downloads.imagej.net/fiji/Life-Line/fiji-win64-20170530.zip">https://downloads.imagej.net/fiji/Life-Line/fiji-win64-20170530.zip</a>
Fluorescein dextran	Thermo Fisher, Invitrogen	D1822	Dextran, Fluorescein, 70,000 MW, Anionic, Lysine Fixable
Gauze sponge	Fisher	22-415-504	2x2 inch Dukal sterile gauze sponges
Heating pad	Reptitherm	RH-4	between mouse and stage
Heating pad	Sunbeam	000732-500-000U	over mouse
Inverted epifluorescence microscope	Nikon		Nikon TIE inverted microscope
Isis Rodent electric shaver	Braun Aesculap	GT420	
Isofluorane	Abbott GmbH	PZN4831850	
Luer stub adapter	Fisher	14-826-19E	Catheter adapter
Micro scissors	Castro Viejo		
Microscope objective	Nikon		Plan Fluor 20x, NA 0.75 water immersion
Needle	Fisher		30 Ga.x1/2"
Needle holder	Olsen-Hegar		
Objective heater	BioScience Tools	MTC-HLS-025	Temperature controller with objective heater
Rectal thermometer	Braintree Scientific, INC	TH-5A	Mouse Body Temperature monitoring
STAFF macros			<a href="https://github.com/icbm-iupui/STAFF">https://github.com/icbm-iupui/STAFF</a>
Suture string	Harvard Bioscience	723288	silk black suture, 6-0, spool