

Materials List for:

# Intravital Microscopy of Tumor-associated Vasculature Using Advanced Dorsal Skinfold Window Chambers on Transgenic Fluorescent Mice

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URL: <https://www.jove.com/video/55115>

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## Materials

Name	Company	Catalog Number	Comments
DMEM	Sigma	D1145	Supplemented with 10% FCS
Trypsin-versene (EDTA)	Lonza	BE17-161E	Make a 0.1% solution in PBS, sterile
PBS			
Window frames	Costum made		
Filler glass 10 mm, 0.55 mm	Abrisia technologies		
Cover glass 12mm, #1 thickness	Thermo Scientific/VWR	631-0713	
Hear removal gel (veet)			for sensitive skin
Eye ointment			
Buprenorfine hydrochloride			use 0.05 mg/kg
Anesthesia unit			O2/Isoflurane inhalation unit with an chamber and tubeing+cone
insulin syringe 0.5ml x 12.7mm 29g, green	BD	324824	
Needles 23G 1 1/4"	Braun	4657640	
Needles 25G 5/8"	Braun	4657853	
Sutures silkan 0.7	Braun	1134019	
Nuts	Jeveka	934 A2 1	
Bolts	Jeveka	84 A2 1 10	
0.9% NaCl			
Microscope + software			The space between table and objective need to be wide enough to hold the animal
Heated temperature controlled platform	Costum made		
Window holder	Costum made		
tetramethylrhodamine 2,000,000 MW dextran	Invitrogen	D7139	100 µg/mouse
Alexa-fluor 647 10,000 MW dextran	Invitrogen	D22914	100 µg/mouse
Hoechst 33342	Invitrogen	H1399	25 µg/mouse
Pegulated nanoparticles			ref 5
LEICA TCS SP5 Multiphoton Microscope	Leica		
LAS AF Software	Leica		