

Materials List for:

Quantifying Glomerular Permeability of Fluorescent Macromolecules Using 2-Photon Microscopy in Munich Wistar Rats

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URL: <https://www.jove.com/video/50052>

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Materials

Name	Company	Catalog Number	Comments
Olympus Floview 1000 confocal/ Multi-photon microscope	Olympus America		Filters for detectors: Blue 430/100, Green 525/50, Red 605/90
Mode-Locked Ti:Sapphire Mai Tai Laser	Spectra-Physics		Tunable excitation wavelengths: ~750-1150 nm
Gallium arsenide phosphide photodetectors	Hamamatsu Corp		Note: Front or Side mounted configurations available.
Metamorph Image processing Software	Molecular Dynamics		Note: Version 6.1r1
Microsoft Excel	Microsoft Corporation		2007 version
Handling Forceps	Electron Microscopy Sciences	Cat# 78266-04	
Mayo Dissecting Scissors	Electron Microscopy Sciences	Cat# 72962	
CA Micro scissors Model 1C300	Electron Microscopy Sciences	Cat# 78180-1C3	
Kelly Hemostatic Forceps (straight)	Electron Microscopy Sciences	Cat# 72930	
Water Jacket Blanket + Heating Pad	Gaymar		T/Pump PN 11184-000 Blanket-66N111CC
Repti-Therm Under Tank Heater	ZooMed		RH-4
Texas Red Sulfonyl Chloride	Invitrogen/Molecular Probes	Cat# T-353	
Rat Serum Albumin	Sigma Aldrich	Cat# A-6272	
High Quality Anhydrous DMF	Sigma Aldrich	Cat# 270547	
Strate-Line Autoclave Tape	Fisher Scientific	Cat# 11-889-1	
Willco-dish Coverslip Bottom Dishes (50 mm/40 mm coverslip)	Electron Microscopy Sciences	Cat# 70665-07	