

Materials List for:

Micropuncture of Bowman's Space in Mice Facilitated by 2 Photon Microscopy

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Materials

Name	Company	Catalog Number	Comments
Upright 2 photon microscope	Zeiss	LSM 7MP	
3 axis microscope stage controller	Sutter	MP-285	
3 axis headstage controller	Sutter	MP-225	
Pipette holder	Molecular Devices	1-HL-U	
Headstage	Molecular Devices	CV203BU	
FITC-dextran 2000 kDa MW	Sigma-Aldrich	52471-1G	
borosilicate glass capillary tubes	Sutter	B150-110-7.5	
Micropipette puller	Sutter	P-97	
Quantum dots, 605 nm	ThermoFisher	Q21701MP	
Polysiloxane	Sugru	No cat number	www.sugru.com , "original formula". Any color.
PE-50 tubing	Instech Labs	BTPE-50	
Microinjector	WPI	UMP-3	
Microinjector controller	WPI	Micro4	
Perfluorodecalin	Sigma-Aldrich	306-94-5	
Agarose	Sigma-Aldrich	9012-36-6	
Coverslip, 10 mm	Harvard Apparatus	64-0718	
Headplate	Custom	No part number	Common in neuroscience labs, many suppliers
Head fixation device	Custom	No part number	Common in neuroscience labs, many suppliers
30 G needle	Becton-Dickinson	125393	For retroorbital injection
Tuberculin syringe	Becton-Dickinson	309626	For retroorbital injection