

Materials List for:

# Novel Photoacoustic Microscopy and Optical Coherence Tomography Dual-modality Chorioretinal Imaging in Living Rabbit Eyes

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## Materials

Name	Company	Catalog Number	Comments
<b>Dual-modality imaging system</b>			
OPO laser	Ekspla (Vilnius, Lithuania)	NT-242	
Beam attenuator	Thorlabs, Inc. (Newton, NJ, USA)	AHWP10M-600	
Motorized rotation stage	Thorlabs, Inc. (Newton, NJ, USA)	PRM1/MZ8	
Motorized rotation stage controller	Thorlabs, Inc. (Newton, NJ, USA)	TDC001	
Focusing lens	Thorlabs, Inc. (Newton, NJ, USA)	AC254-250-B	
Pinhole	Thorlabs, Inc. (Newton, NJ, USA)	P50S	
Collimating lens	Thorlabs, Inc. (Newton, NJ, USA)	AC127-030-B	
Photodiode	Thorlabs, Inc. (Newton, NJ, USA)	PDA36A	
Laser shutter	Vincent Associates Inc. (Toronto, Canada)	LS6S2T0	
Laser shutter driver	Vincent Associates Inc. (Toronto, Canada)	VCM-D1	
Dichroic mirror	Semrock, Inc. (Rochester, NY, USA)	Di03-R785-t3-25×36	
Scan lens	Thorlabs, Inc. (Newton, NJ, USA)	OCT-LK3-BB	
Ophthalmic lens	Thorlabs, Inc. (Newton, NJ, USA)	AC080-010-B-ML	
Ultrasonic transducer	Optosonic Inc. (Arcadia, CA, USA)	Custom	
Amplifier	L3 Narda-MITEQ (Hauppauge, NY, USA)	AU-1647	
Band-pass filter	Mini-Circuits (Brooklyn, NY, USA)	BLP-30+	
Digitizer	DynamicSignals LLC (Lockport, IL, USA)	PX1500-4	
Synchronization electronics	National Instruments Corporation (Austin, TX, USA)	USB-6353	
OCT module	Thorlabs, Inc. (Newton, NJ, USA)	Ganymede-II-HR	
Dispersion compensation glass	Thorlabs, Inc. (Newton, NJ, USA)	LSM03DC	
Illumination LED light	Thorlabs, Inc. (Newton, NJ, USA)	MCWHF2	
Power meter	Thorlabs, Inc. (Newton, NJ, USA)	S121C	
Power meter interface	Thorlabs, Inc. (Newton, NJ, USA)	PM100USB	
Height measurement tool	Thorlabs, Inc. (Newton, NJ, USA)	BHM1	
Fundus camera	Topcon Corporation (Tokyo, Japan)	TRC 50EX	
Matlab	MathWorks (Natick, MA, USA)	2017a	

Oscilloscope	Teledyne LeCroy (Chestnut Ridge, NY, USA)	WaveJet 354T	
<b>Animal experiment</b>			
Water-circulating blanket	Stryker Corporation (Kalamazoo, MI, USA)	TP-700	
Ketamine hydrochloride injection	Par pharmaceutical, Inc. (Woodcliff Lake, NJ, USA)	NDC code 42023-115-10	
Xylazine hydrochloride	VetOne (Boise, ID, USA)	NDC code 13985-704-10	
Tropicamide ophthalmic	Akorn Pharmaceuticals Inc. (Lake Forest, IL, USA)	NDC code 17478-102-12	
Phenylephrine hydrochloride ophthalmic	Paragon BioTeck, Inc. (Portland, OR, USA)	NDC code 42702-102-15	
Eye lubricant	Hub Pharmaceuticals LLC (Rancho Cucamonga, CA, USA)	NDC code 17238-610-15	
Eyewash	Altaire Pharmaceuticals, Inc. (Aquebogue, NY, USA)	NDC code 59390-175-18	
Tetracaine hydrochloride ophthalmic solution	Bausch & Lomb, Inc. (Rochester, NY, USA)	NDC code 24208-920-64	
Flurbiprofen sodium ophthalmic solution	Bausch & Lomb, Inc. (Rochester, NY, USA)	NDC code 24208-314-25	
Neomycin and Polymyxin B Sulfates and Dexamethasone Ophthalmic Ointment	Bausch & Lomb, Inc. (Rochester, NY, USA)	NDC code 24208-795-35	
Meloxicam injection	Henry Schein Inc. (Queens, NY, USA)	NDC code 11695-6925-1	