

Materials List for:

# Laser Capture Microdissection of Highly Pure Trabecular Meshwork from Mouse Eyes for Gene Expression Analysis

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URL: <https://www.jove.com/video/57576>

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## Materials

Name	Company	Catalog Number	Comments
ACTA2 ddPCR Primers (dMmuCPE5117282)	BioRad	10031252	FAM
Agilent 2100 Bioanalyzer	Agilent Technologies	G2946-90004	
Agilent RNA 6000 Pico kit	Agilent Technologies	5067-1513	
BioRad QX200 Droplet Digital PCR System	BioRad		
Small Paint Brush			
Charged Glass Microscope Slide	Thermo scientific	4951PLUS-001	
Cresyl Violet Acetate	Sigma Aldrich	C5042	
Curved Scissors			
Eosin Y dye	Thermo scientific	71204	
Ethanol			
Forceps			Curved and Serrated tip (preferred tip size: 0.5 x 0.4 mm)
HemaCen	American MasterTech	STHEM30	
High-Capacity cDNA Reverse Transcription Kit	Applied Biosystems	4368814	
Hsp90a ddPCR Primers(dMmuCPE5097465)	BioRad	10031255	VEX
Leica CM1850 Cryostat	Leica		
Millex-GS filter unit	EMD Millipore	SLGS033SB	0.22 µm
MMI CellCut UV Cutting Model	Molecular Machines & Industries		LCM instrument
MMI CellTools Software	Molecular Machines & Industries	50202	LCM software
Sample Tube for Laser Capture Microdissection	ASEE Products	ST-LMD-M-500	Isolation Cap Tube/Manufactured by Microdissect GmbH in Germany and distributed by ASEE Products
Sample Tube for Laser Capture Microdissection (Alternative)	Molecular Machines & Industries		
modified Harris Hematoxylin	Thermo scientific	7211	FAM
MYOC ddPCR Primers (dMmuCPE5095712)	BioRad	10031252	
PBS			
Membrane Slides, RNase Free	ASEE Products	FS-LMD-M-50r	Polyethylene terephthalate (PET) membrane/Manufactured by

			Microdissect GmbH in Germany and distributed by ASEE Products
Membrane Slides, RNase Free (Alternative)	Molecular Machines & Industries	50102	
Rapid Fix	Thermo scientific	6764212	H&E staining
RLT Buffer	Qiagen	79216	lysis buffer used for LCM samples
RNaseZap	Sigma	R2020	RNase decontamination solution
Protect RNA RNase Inhibitor	Sigma Aldrich	R7397	
RNeasy Micro Kit	Qiagen	74004	RNA isolation kit
SMART-Seq v4 Ultra Low Input RNA Kit	Takara Clontech	634888	low input RNA to cDNA kit for LCM samples
SuperMix (no dUTP)	BioRad	1863023	digital PCR master mix
Tissue-Tek Cryomold (25mm x 20mm x5mm)	Sakura	4557	
Tissue-Tek O.C.T. Compound	Sakura	4583	
Stratalinker UV Crosslinker	Stratagene	400075	
Xylene	Macron	8668	