

Materials List for

Laser-assisted Selective Ablation of Porcine Corneal Endothelial Cells: A Non-invasive Laser-based Technique to Induce Focused Porcine Corneal Endothelial Injury for Ex Vivo Studies

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URL: <https://www.jove.com/video/20908>

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Materials

Name	Company	Catalog Number	Comments
Barron vacuum trephine	Katena	K20-2058	
Cryostat	Leica	CM 3050S	
Dulbecco's Modified Eagle's Medium - high glucose	PAA	E-15009	
Eye holder	Self	N/A	
Inverted Microscope	Leica	DMI 6000 B	
KH ₂ PO ₄	Merck	529568	
Na ₂ HPO ₄	Merck	1065860500	
Nd:YAG laser	Zeiss Meditec	visuLAS YAG II plus	
OCT Tissue Tek	Sakura Finetechnical	4583	
Penicillin-Streptomycin	Sigma-Aldrich	P4333	
Phosphate Buffered Saline (PBS)	Gibco	10010056	
Porcine serum	Sigma-Aldrich	12736C	
Spectral-domain optical coherence tomograph	Heidelberg Engineering	Spectralis	
Tissue culture plate 12-well	Sarstedt	833921	
Viscoelastic	OmniVision	Methocel	