

Materials List for:

Using Adeno-associated Virus as a Tool to Study Retinal Barriers in Disease

Ophélie Vacca^{1,2,3}, Brahim El Mathari^{1,2,3}, Marie Darche^{1,2,3}, José-Alain Sahel^{1,2,3}, Alvaro Rendon^{1,2,3}, Deniz Dalkara^{1,2,3}

¹Department of Therapeutics, Institut de la Vision, Sorbonne Universités, UPMC Univ Paris 06, UMR_S 968

²INSERM, U968

³CNRS, UMR_7210

Correspondence to: Deniz Dalkara at deniz.dalkara@inserm.fr

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Materials

Name	Company	Catalog Number	Comments
C57BL6J mice strain	JANVIER LABS		mice
Ketamine 500	Virbac France		anesthetic
Xylazine Rompun 2%	Bayer Healthcare		anesthetic
Neosynephrine 5% Faure	Europhtha		dilatant
Mydriaticum 0.5%	Thea		dilatant
Sterdex	Novartis		anti-inflammatory
Cryomatrix embedding resin	Thermo Scientific	6769006	
Superfrost Plus Adhesion Slides	Thermo Scientific	10143352	slides
anti-laminin	Sigma	L9393	antibody
anti-rhodopsin clone 4D2	Millipore	MABN15	antibody
anti-glutamine synthetase clone GS-6	Millipore	MAB302	antibody
Anti-Glial Fibrillary Acidic Protein	Dako	334	antibody
PNA Lectin	Invitrogen	L32459	probe
Alexa fluor conjugated secondary antibodies	Invitrogen		antibody
Fluorsave reagent	Calbiochem	345789	mounting medium
QIAmp DNA Micro Kit	QIAGEN	56304	
GoTaq DNA polymerase	Promega	M3001	
Evans Blue dye	Sigma	E2129	dye
5 µm filter	Millipore		
Sodium citrate	Sigma	S1804	
Citric acid	Sigma	C1909-2.5KG	
Formamide spectrophotometric	Sigma	295876-2L	
Fluorescein	Sigma	F2456	dye
Micron III	Phoenix Research Labs		Microscopy system based on 3-CCD color camera, frame grabber, and off-the-shelf software enables researchers to image mouse retinas.
Insulin Syringes	Terumo	SS30M3109	
Syringe 10 µl Hamilton	Dutscher	74487	Seringue 1701
Needle RN G33, 25 mm, PST 2	Fisher Scientific	11530332	Intravitreal Injection
UltraMicroPump UMP3	World Precision Instruments	UMP3	Versatile injector uses microsyringes to deliver picoliter volumes

UltraMicroPump (UMP3) (one) with SYS-Micro4 Controller	UMP3-1	Digital controller	
Binocular magnifier SZ76	ADVILAB	ADV-76B2	Zoom 0.66 x 5 x LEDs with stand epi and dia / Retinas dissection
Spring scissors straight - 8.5 cm	Bionic France S.a.r.l	15003-08	Retinas dissection
curved Vanna scissor	15004-08		
Pince Dumont 5	11254-20		
Veriti 96-Well Thermal Cycler	Life technologies	4375786	Thermocycler
Ultrasonic cleaner	Laboratory Supplies	G1125P1T	
Nanosep 30k omega tubes	VWR		
Speedvac	Fisher Scientific	SC 110 A	
Spectrofluorometer	TECAN	infinite M1000	