

Materials List for

Digital Droplet PCR Method for the Quantification of AAV Transduction Efficiency in Murine Retina

Iskalen Cansu Topcu Okan^{1,2}, Mehri Ahmadian^{1,2}, Yesim Tutuncu^{1,2}, Halit Yusuf Altay^{1,2}, Cavit Agca^{1,2}

¹Molecular Biology, Genetics and Bioengineering Program, Sabanci University ²Nanotechnology Research and Application Center (SUNUM), Sabanci University

Corresponding Author

Cavit Agca
cavit.agca@sabanciuniv.edu

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Materials

Name	Company	Catalog Number	Comments
96-Well Semi-Skirted ddPCR plates	BioRad	12001925	ddPCR
Amicon Filter	Millipore	UFC910096	AAV
C1000 TOUCH 96 DEEP WELLS	BioRad	1851197	ddPCR
C57BL/6JRj mice strain	Janvier	C57BL/6JRj	Mice
DG8 gaskets	BioRad	1863009	ddPCR
DG8 Cartridges	BioRad	1864008	ddPCR
DMEM	Lonza	BE12-604Q	AAV
DPBS	PAN BIOTECH	L 1825	AAV
Droplet generation oil eva green	BioRad	1864006	ddPCR
Droplet reader oil	BioRad	1863004	ddPCR
FBS	PAN BIOTECH	p30-3306	AAV
Foil seals for PX1 PCR Plate sealer	BioRad	1814040	ddPCR
Insulin Syringes	BD Medical	320933	Intravitreal injection
Isoflurane	ADEKA ILAC SANAYI VE TICARET	N01AB06	anesthetic
Microinjector MM33	World Precision Instruments	82-42-101-0000	Intravitreal injection
Micron IV	Phoenix Research Labs	Micron IV	Microscopy system based on 3-CCD color camera, frame grabber, and off-the-shelf software enables researchers to image mouse retinas.
Mydrin (%2.5 phenylephrine hydrochloride)	Alcon	S01FB01	pupil dilation
Nanofil Syringe 10 µl	World Precision Instruments	NANOFIL	Intravitreal injection
Needle RN G36, 25 mm, PST 2	World Precision Instruments	NF36BL-2	Intravitreal injection
PEI-MAX	Polyscience	24765-1	AAV
Penicillin-Streptomycin	PAN BIOTECH	P06-07100	AAV
Plasmid pHGT1-Adeno1	PlasmidFactory	PF1236	AAV
Pluronic F-68	Gibco	24040032	AAV
PX1 PCR Plate Sealer system	BioRad	1814000	ddPCR

QX200 ddPCR EvaGreen Supermix	BioRad	1864034	ddPCR
QX200 Droplet Reader/QX200 Droplet Generator	BioRad	1864001	ddPCR
SPLITTER FORCEP WATCHER MAKER - LENGTH = 13.5 CM	endostall medical	EJN-160-0155	Retina isolation
Steril Syringe Filter	AISIMO	ASF33PS22S	AAV
Tissue Genomic DNA Kit	EcoSpin	E1070	gDNA isolation
Tobradex (0.3% tobramycin / 0.1% dexamethasone)	Alcon	S01CA01	anti-inflammatory / antibiotic
Tropamid (% 0.5 tropicamide)	Bilim Ilac Sanayi ve Ticaret AS.	S01FA06	pupil dilation
Turbonuclease	Accelagen	N0103L	AAV
Viscotears (carbomer 2 mg/g)	Bausch+Lomb	S01XA20	lubricant eye drop