

Materials List for:

# Subretinal Transplantation of MACS Purified Photoreceptor Precursor Cells into the Adult Mouse Retina

Dominic Eberle<sup>\*1</sup>, Tiago Santos-Ferreira<sup>\*1</sup>, Sandra Grahl<sup>1</sup>, Marius Ader<sup>1</sup>

<sup>1</sup>CRTD / DFG-Research Center for Regenerative Therapies Dresden, Technische Universität Dresden

\*These authors contributed equally

Correspondence to: Marius Ader at [marius.ader@crt-dresden.de](mailto:marius.ader@crt-dresden.de)

URL: <https://www.jove.com/video/50932>

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## Materials

Name	Company	Catalog Number	Comments
Papain Dissociation System	Worthington Biochemical Corporation	LK003150	supplied DNase I is not used in the method
Purified rat anti-mouse CD73, clone TY/23	BD Pharmingen	550738	Stock concentration 0.5 mg/ml
Goat Anti-Rat IgG MicroBeads	Miltenyi	130-048-501	Total volume of 2 ml
PBS	Gibco	10010-015	Used to count the total number of cells
DNase I	Sigma	D5025-150KU	
HBSS	Gibco	14025050	Used for dissociation of the retinas
Trypan blue	Sigma	Fluka93595	Used to count the total number of cells
Vidisc	Dr. Mann Pharma / Andrae-Noris Zahn AG		
Domitor	Pfizer	76579	
Ketamine 10%	Ratiopharm	7538843	
Antisedan	Pfizer	76590	
Phenylephrin 2.5%-Tropicamid 0.5%	University Clinics Dresden Pharmacy		
Preseparation Filters	Miltenyi	130-041-407	
LS Columns	Miltenyi	130-042-401	
MACS MultiStand	Miltenyi	130-042-303	
QuadroMACS Separator	Miltenyi	130-090-976	
Fire polish glass Pasteur pipette	Brand	74777 20	The pipette's tips need to be fire-polished and autoclaved.
MACS 15 ml tube rack	Miltenyi	130-091-052	
Cell count chamber	Carl Roth	T728.1	
Sterile 15 ml tubes	Greiner Bio-One	188271	
Leica M651 MSD	Leica	M651 MSD	can be used instead of Olympus SZX10
Olympus SZX10	Olympus	SZX10	can be used instead of Leica M651 MSD
Olympus inverted stereo microscope CKX41	Olympus	CKX41	
Cell culture hood Thermo Scientific MSC-Advance	Thermo Scientific	51025411	
1.5 ml Reaction tube	Sarstedt	727706400	
2 ml Reaction tube	Sarstedt	72695	

Eppendorf Centrifuge 5702	VWR (Eppendorf)	521-0733	
Mouse head holder	myNeuroLab	471030	
BD Microlance 3 30 G 1/2 in	BD Pharmingen	304000	
Hamilton microliter syringe 5 µl, 75RN	Hamilton	065-7634-01	delivered without needles
Hamilton RN special needle 34 G	Hamilton	065-207434	Blunt, 12 mm length
Vannas-Tübingen Spring Scissors - 5 mm Blades Straight	Fine Science Tools	15003-08	
Dumont #7 Forceps - Titanium Biologie	Fine Science Tools	11272-40	
Diamond pen	Tools-tech		
15 mm x 15 mm Cover slips	Sparks	MIC3366	