

Materials List for

# In Vitro Myelination of Peripheral Axons in a Coculture of Rat Dorsal Root Ganglion Explants and Schwann Cells

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## Materials

Name	Company	Catalog Number	Comments
Anti-MBP, rabbit	Novus Biologicals, Centennial, USA	ABIN446360	
Anti-βIII-tubulin, mouse	Biolegend, San Diego, USA	657402	
Ascorbic acid	Sigma Aldrich GmbH, Steinheim, Germany	A4403-100MG	
B27-supplement	Thermo Fisher Scientific, Schwerte, Germany	17504-044	
Biosphere Filter Tip, 100 μL	Sarstedt, Nümbrecht, Germany	70760212	
Biosphere Filter Tip, 1250 μL	Sarstedt, Nümbrecht, Germany	701186210	
Biosphere Filter Tip, 20 μL	Sarstedt, Nümbrecht, Germany	701114210	
Biosphere Filter Tip, 300 μL	Sarstedt, Nümbrecht, Germany	70765210	
Bovine serum albumin	Carl Roth, Karlsruhe, Germany	8076.4	
Cell strainer, 100 μM	BD Bioscience, Heidelberg, Germany	352360	
Centrifuge 5810-R	Eppendorf AG, Hamburg, Germany	5811000015	
CO <sub>2</sub> Incubator Heracell	Heraeus Instruments, Hanau, Germany	51017865	
Coverslips 12 mm	Carl Roth, Karlsruhe, Germany	P231.1	
Curved fine forceps	Fine Science Tools GmbH, Heidelberg, Germany	11370-42	
DAPI fluoromount-G(R)	Biozol, Eching, Germany	SBA-0100-20	
Dispase II	Sigma Aldrich GmbH, Steinheim, Germany	4942078001	
Distilled water (Water Purification System)	Millipore, Molsheim, France	ZLXS5010Y	
DMEM/F-12, GlutaMAX	Thermo Fisher Scientific, Schwerte, Germany	31331093	
DPBS (no Ca <sup>2+</sup> and no Mg <sup>2+</sup> )	Sigma Aldrich GmbH, Steinheim, Germany	D8537-6X500ML	
Ethanol	VWR, Radnor, USA	1009862500	
FCS	Sigma Aldrich GmbH, Steinheim, Germany	F7524	FCS must be tested for Schwann cell culture

Fine forceps (Dumont #5)	Fine Science Tools GmbH, Heidelberg, Germany	11252-20	
Forceps	Fine Science Tools GmbH, Heidelberg, Germany	11370-40	
Forskolin	Sigma Aldrich GmbH, Steinheim, Germany	F6886-10MG	
Gelatin	Sigma Aldrich GmbH, Steinheim, Germany	G1393-20ML	
Gentamycin	Thermo Fisher Scientific, Schwerte, Germany	5710064	
Goat anti-mouse IgG Alexa Fluor 488	Thermo Fisher Scientific, Schwerte, Germany	A11036	
Goat anti-rabbit IgG Alexa Fluor 568	Thermo Fisher Scientific, Schwerte, Germany	A11001	
HBSS (no Ca <sup>2+</sup> and no Mg <sup>2+</sup> )	Thermo Fisher Scientific, Schwerte, Germany	14170138	
HERAcell Incubator	Heraeus Instruments, Hanau, Germany	51017865	
Heraguard ECO 1.2	Thermo Fisher Scientific, Schwerte, Germany	51029882	
Horse serum	Pan-Biotech, Aidenbach, Germany	P30-0712	
Image J Software	NIH, Bethesda, USA		
Laminin	Sigma Aldrich GmbH, Steinheim, Germany	L2020-1MG	
Leibovitz's L-15 Medium	Thermo Fisher Scientific, Schwerte, Germany	11415064	
L-Glutamine 200 mM	Thermo Fisher Scientific, Schwerte, Germany	25030024	
MACS Multistand	Miltenyi Biotec, Bergisch Gladbach, Germany	130042303	
Microscissors	Fine Science Tools GmbH, Heidelberg, Germany	15000-08	
Microscope	Motic, Wetzlar, Germany	Motic BA 400	
Microscope Axio observer 7	Zeiss, Oberkochen, Germany	491917-0001-000	
Microscope slide	VWR, Radnor, USA	630-1985	
MiniMACS separator	Miltenyi Biotec, Bergisch Gladbach, Germany	130091632	
MS columns	Miltenyi Biotec, Bergisch Gladbach, Germany	130-042-201	
Neubauer counting chamber	Assistant, Erlangen, Germany	40441	
Neuregulin	Peptrotech, Rocky Hill, USA	100-03	
Neurobasal medium	Thermo Fisher Scientific, Schwerte, Germany	21103049	
NGF	Sigma Aldrich GmbH, Steinheim, Germany	N1408	
Normal goat serum	Biozol, Eching, Germany	S-1000	
Nunclon Δ multidishes, 4 well	Sigma Aldrich GmbH, Steinheim, Germany	D6789	
Paraformaldehyde	Acros Organics, New Jersey, USA	10342243	
Penicillin/Streptomycin	Thermo Fisher Scientific, Schwerte, Germany	15140-122	
Pipetboy	Eppendorf AG, Hamburg, Germany	4430000018	
Pipettes	Eppendorf AG, Hamburg, Germany	2231300004	
Poly-D-Lysin	Sigma Aldrich GmbH, Steinheim, Germany	P6407-5MG	

Poly-L-Lysin	Sigma Aldrich GmbH, Steinheim, Germany	P4707-50ML	
Reaction tubes, 15 mL	Sarstedt, Nümbrecht, Germany	62554502	
Reaction tubes, 50 mL	Sarstedt, Nümbrecht, Germany	62547254	
Reaction vessels, 1.5 mL	Sarstedt, Nümbrecht, Germany	72690001	
Safety Cabinet S2020 1.8	Thermo Fisher Scientific, Schwerte, Germany	51026640	
Scissors	Fine Science Tools GmbH, Heidelberg, Germany	14083-08	
Serological pipette, 10 mL	Sarstedt, Nümbrecht, Germany	861254025	
Serological pipette, 25 mL	Sarstedt, Nümbrecht, Germany	861685001	
Serological pipette, 5 mL	Sarstedt, Nümbrecht, Germany	861253001	
Spatula	Fine Science Tools GmbH, Heidelberg, Germany	10094-13	
Stereomicroscope Discovery.V8	Zeiss, Oberkochen, Germany	495015-0012-000	
Surgical scissors	Fine Science Tools GmbH, Heidelberg, Germany	14007-14	
TC dish 100, cell +	Sarstedt, Nümbrecht, Germany	833902300	
TC dish 35, cell +	Sarstedt, Nümbrecht, Germany	833900300	
TC dish 60, cell +	Sarstedt, Nümbrecht, Germany	833901300	
Thy-1 Microbeads (MACS Kit)	Miltenyi Biotec, Bergisch Gladbach, Germany	130-094-523	
Triton X-100	Sigma Aldrich GmbH, Steinheim, Germany	X100-500ML	
Trypan Blue Solution 0.4%	Thermo Fisher Scientific, Schwerte, Germany	15250061	
Trypsin (2.5%), no phenol red	Thermo Fisher Scientific, Schwerte, Germany	15090-046	
Trypsin-EDTA (0.05%), phenol red	Thermo Fisher Scientific, Schwerte, Germany	25300-054	
Type I Collagenase	Sigma Aldrich GmbH, Steinheim, Germany	C1639	
Water bath type 1008	GFL, Burgwedel, Germany	4285	