

Materials List for:

Dissection and Culture of Mouse Embryonic Kidney

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Materials

Name	Company	Catalog Number	Comments
DMEM/F-12	Thermo Fisher Scientific	21331020	
Penicillin-Streptomycin (10,000 U/mL)	Thermo Fisher Scientific	15140148	
GlutaMAX Supplement	Thermo Fisher Scientific	35050061	
DPBS, calcium, magnesium	Thermo Fisher Scientific	14040117	use for dissection
holo-Transferrin human	Sigma-Aldrich	T0665	
Insulin-Transferrin-Selenium (ITS - G) (100x)	Thermo Fisher Scientific	41400045	
Paraformaldehyde	Sigma-Aldrich	158127	
Amphotericin B solution	Sigma-Aldrich	A2942	
Triton X-100	Sigma-Aldrich	X100	
Sodium azide	Sigma-Aldrich	S8032	
Thimerosal	Sigma-Aldrich	T5125	
Propyl gallate	Sigma-Aldrich	2370	
Mowiol 4-88	Sigma-Aldrich	81381	
Glycerol	Sigma-Aldrich	G5516	
Biotinylated Dolichorus Biflorus Agglutinin	Vector Laboratories	B-1035	
Alexa488 conjugated Streptavidin	Jackson Immuno Research	016-540-084	
Recombinant Mouse Ephrin-B2 Fc Chimera Protein, CF	R&D Systems	496-EB	
Recombinant Human IgG1 Fc, CF	R&D Systems	110-HG-100	
Goat Anti-Human IgG Fc Antibody	R&D Systems	G-102-C	
Phosphate buffered saline tablets	Sigma-Aldrich	P4417	use for fixation and immunostaining
Dumont #5, biologie tips, INOX, 11 cm	agnthos.se	0208-5-PS	2 pairs of forceps are needed
Iris scissors, straight, 12 cm	agnthos.se	03-320-120	
Dressing Forceps, straight, delicate, 13 cm	agnthos.se	08-032-130	
Petri dishes Nunclon Delta treated	Thermo Fisher Scientific	150679	
TMTP01300 Isopore Membrane Filter, polycarbonate, Hydrophilic, 5.0 µm, 13 mm, white, plain	MerckMillipore	TMTP01300	
Nunclon Multidishes 4 wells, flat bottom	Sigma-Aldrich	D6789-1CS	

Microscope cover glass 24 x 50 mm thickn. No.1.5H 0.17+/-0.005 mm	nordicbiolabs	107222	
Cover glasses No.1.5, 18 mm x 18 mm	nordicbiolabs	102032	
Slides ~76 x 26 x 1, 1/2-w. ground plain	nordicbiolabs	1030418	
VWR Razor Blades	VWR	55411-055	
50 mL centrifuge tubes	Sigma-Aldrich	CLS430828	
15 mL centrifuge tubes	Sigma-Aldrich	CLS430055	
Whatman prepleated qualitative filter paper, Grade 113V, creped	Sigma-Aldrich	WHA1213125	
Fixed stage research microscope	Olympus	BX61WI	
Black 6 inbred mice, male, C57BL/6NTac	Taconic	B6-M	
Black 6 inbred mice, female, C57BL/6NTac	Taconic	B6-F	
Greenough Stereo Microscope	Leica	Leica S6 E	