

Materials List for

Long-Term, Serum-Free Cultivation of Organotypic Mouse Retina Explants with Intact Retinal Pigment Epithelium

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Materials

Name	Company	Catalog Number	Comments
Biotin	Sigma	B4639	
(+/-)- α -Lipoic Acid (=Thiolic acid)	Sigma	T1395	
BSA	Sigma	B4639	
CDP-Choline-Na	Sigma	30290	
Corticosterone	Sigma	C2505	
$\text{CuSO}_4 \times 5\text{H}_2\text{O}$	Sigma	C8027	
DL-Tocopherol	Sigma	T1539	
Ethanolamine	Sigma	E0135	
FCS	Sigma	F7524	
Filtropur BT100, 1L, 0.2 μm	SARSTEDT	83.3942.101	for Basal Medium
Forceps	F.S.T	15003-08	
Glutamine	Sigma	G8540	
Glutathione	Sigma	G6013	
Insulin	Sigma	I6634	
L-CysteineHCl	Sigma	C7477	
Linoleic Acid	Sigma	L1012	
Linolenic Acid	Sigma	L2376	
$\text{MnCl}_2 \times 4\text{H}_2\text{O}$	Sigma	M5005	
Na-pyruvate	Sigma	P3662	
$\text{NaSeO}_3 \times 5\text{H}_2\text{O}$	Sigma	S5261	
Ophthalmic microscope scaping spoon	F.S.T.	10360-13	
Progesteron	Sigma	P8783	
Proteinase K	MP Biomedicals	21935025	44 mAnson U/mg
R16	Gibco	07491252A	
Retinol	Sigma	R7632	

Retinyl acetate	Sigma	R7882	
Scissors	F.S.T	15004-08	
Sterile filter 0.22µm	MILLEX GP	SLGP033RS	for supplements
T3	Sigma	T6397	
Tocopherylacetate	Sigma	T1157	
Transferrin	Sigma	T1283	
Transwell permeable supports	Corning	3412	
Vitamin B1	Sigma	T1270	
Vitamin B12	Sigma	V6629	
Vitamin C	Sigma	A4034	