

Materials List for:

In Vitro and In Vivo Models to Study Corneal Endothelial-mesenchymal Transition

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Materials

Name	Company	Catalog Number	Comments
trypsin	ThermoFisher Scientific	12604-013	
Dulbecco's modified Eagle medium and Ham's F12 medium	ThermoFisher Scientific	11330	
fetal bovine serum	ThermoFisher Scientific	26140-079	
dimethyl sulfoxide	Sigma	D2650	
human epidermal growth factor	ThermoFisher Scientific	PHG0311	
insulin, transferrin, selenium	ThermoFisher Scientific	41400-045	
cholera toxin	Sigma	C8052-1MG	
gentamicin	ThermoFisher Scientific	15750-060	
amphotericin B	ThermoFisher Scientific	15290-026	
paraformaldehyde	Electron Microscopy Sciences	111219	
Triton X-100	Sigma	T8787	
bovine serum albumin	Sigma	A7906	
marimastat	Sigma	M2699-25MG	
anti-active beta-catenin antibody	Millpore	05-665	
anti-snail antibody	Santa cruz	sc28199	
anti-slug antibody	Santa cruz	sc15391	
goat anti-mouse IgG (H+L) secondary antibody	ThermoFisher Scientific	A-11001	for staining of ABC of bovine CECs
goat anti-mouse IgG (H+L) secondary antibody	ThermoFisher Scientific	A-11003	for staining of ABC of rat corneal endothelium
goat anti-rabbit IgG (H+L) secondary antibody	ThermoFisher Scientific	A-11008	for staining of snail and slug of bovine CECs
antibody diluent	Genemed Biotechnologies	10-0001	
4',6-diamidino-2-phenylindole	ThermoFisher Scientific	D1306	
mounting medium	Vector Laboratories	H-1000	
laser scanning confocal microscope	ZEISS	LSM510	
xylazine	Bayer	N/A	
tiletamine plus zolazepam	Virbac	N/A	veterinary drug
proparacaine hydrochloride ophthalmic solution	Alcon	N/A	veterinary drug
0.1% atropine	Wu-Fu Laboratories Co., Ltd	N/A	clinical drug

0.3% gentamicin sulfate	Sinphar Group	N/A	clinical drug
basic fibroblast growth factor	ThermoFisher Scientific	PHG0024	clinical drug