

Toxicity Screens in Human Retinal Organoids for Pharmaceutical Discovery

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Materials

Name	Company	Catalog Number	Comments
0.5M EDTA	Invitrogen	15575020	
125mL Erlenmeyer Flasks	VWR	89095-258	
1-deoxysphinganine	Avanti	860493	
B27 Supplement, minus vitamin A	Gibco	12587010	
Beaver 6900 Mini-Blade	Beaver-Visitec	BEAVER6900	
D-(+)-Sucrose	VWR	97061-432	
DAPI	Thermo-fisher	D1306	
Dispase II, powder	Gibco	17105041	
DMEM, high glucose, pyruvate	Gibco	11995073	
DMEM/F12	Gibco	11330	
Donkey anti-rabbit Ig-G, Alexa Fluor plus 555	Thermo-fisher	A32794	
donkey serum	Sigma	D9663-10ML	
FBS, Heat Inactivated	Corning	45001-108	
Fenofibrate	Sigma	F6020	
Glutamax	Gibco	35050061	
Heparin	Stemcell Technologies	7980	
In Situ Cell Death Detection Kit, Fluorescein	Sigma	11684795910	
Matrigel, growth factor reduced	Corning	356230	
MEM Non-Essential Amino Acids Solution	Gibco	11140050	
mTeSR 1	Stemcell Technologies	85850	
N2 Supplement	Gibco	17502048	
Penicillin-Streptomycin	Gibco	15140122	
Pierce 16% Formaldehyde	Thermo-fisher	28906	
Rabbit anti-Recoverin antibody	Millipore	AB5585	
Sodium Citrate	Sigma	W302600	

Steriflip Sterile Disposable Vacuum Filter Units	MilliporeSigma	SE1M179M6	
Taurine	Sigma	T0625	
Tissue Plus- O.C.T. compound	Fisher Scientific	23-730-571	
Tissue-Tek Cryomold	EMS	62534-10	
Triton X-100	Sigma	X100	
Tween-20	Sigma	P1379	
Ultra-Low Attachment 6 well Plates	Corning	29443-030	
Ultra-Low Attachment 75cm ² U-Flask	Corning	3814	
Vacuum Filtration System	VWR	10040-436	
Vectashield-mounting medium	vector Labs	H-1000	
wax pen-ImmEdge	vector Labs	H-4000	
Y-27632 Dihydrochloride (Rock inhibitor)	Sigma	Y0503	