

Materials List for

Lumican Extraction from Amniotic Membrane and Determination of its Storage Temperature

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Materials

Name	Company	Catalog Number	Comments
1 N H ₂ SO ₄ stop solution	R&D Systems	DY994	
100 µL micropipette	Eppendorf		
1000 µL micropipette	Eppendorf		
15 mm Petri dish	Symlaboratorios		
18 G Needle (1.2 mm x 40 mm)	BD Becton Dickinson	305211	
2 mL microcentrifuge tube	Eppendorf	Z606340	
20 mL plastic syringe	BD Becton Dickinson	302562	
20 µL micropipette	Eppendorf		
20-200 µL micropipette	Eppendorf		
5 mL microcentrifuge tube	Eppendorf	30119401	
96-well microplate	SARSTEDT	821581	
Aluminum foil	N/A	N/A	
Amniotic membrane	Instituto de Oftalmología Conde de Valenciana Amnion Bank		100 mg
Balanced salt solution	Bausch + Lomb	BSS-403802	
Beaker	N/A	N/A	
BioRender	BioRender		figures design
Compact Rocker	BioRad	970822DD	Mod. 5202SD-BIO
complete, EDTA-free, Protease inhibitor cocktail tablets	Roche	11 873 580 001	Protease Inhibitor
Daiggnert vortex Genie 2	A.Daiggnert & Co. , INC	22220A	
Dispase II	Gibco	17105-041	
ELISA plate spectrometer	Thermo Labsystems	35401106	Multiscan
Freezer			
GraphPad Prism	GraphPad Software, Inc	version 9	statistical analysis and graphic program

Human lumican DuoSet ELISA kit	R&D Systems	DY2846-05	includes human Lumican capture antibody
Incubator	Forma Scientific	3326 S/N 36481-7002	
Inverted light Microscope	Olympus	6A13921	to confirm de-epithelialization Mod.CK2
Laminar flow hood	Forma Scientific	14753-567	Mod.1184
Liquid nitrogen	N/A	N/A	
Mortar	N/A	N/A	
Multi-channel pipettor	Eppendorf		
Nitrogen Tank	Thermo Scientific		Mod. Biocan 20
Paper towels	N/A	N/A	
Phosphate-buffered saline	R&D Systems	DY006	
Pierce Modified Lowry Protein Assay Kit	Thermo Scientific	23240	
Plate sealers	R&D Systems	DY992	
Reagent diluent	R&D Systems	DY995	1% BSA in PBS, pH 7.2-7.4, 0.2 µm filtered
Refrigerated centrifuge	centurion scientific Ltd	15877	Mod. K2015R
Rubber policeman cell scraper	NEST	710001	for mechanical de-epithelialization
Scalpel knife	Braun	BB521	No. 10 or 21
Streptavidin-HRP 40-fold concentrated	R&D Systems	part 893975	
Substrate tetramethylbenzidine (TMB) solution	R&D Systems	DY999	
Toothed tweezers	Invent Germany	6b	inox
Ultrapure water	PISA		
Wash buffer	R&D Systems	WA126	0.05% Tween 20 in PBS, pH 7.2-7.4