

Materials List for:

Encapsulated Cell Technology for the Delivery of Biologics to the Mouse Eye

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Materials

Name	Company	Catalog Number	Comments
3 mL Syringe	BD	309656	
30 G 1" Blunt needle	SAI Infusion technology	B30-100	
Alginate acid sodium salt, from brown algae	Sigma	A0682	
Atropine Sulfate Ophthalmic solution (1%)	Akorn	NDC 17478-215-15	for pupil dilation
BD 1 mL Syringe 26 G x 3/8 (0.45 mm x 10 mm)	Becton, Dickinson and Company	DG518105 500029609 REF 309625	to generate the guide hole
Calcium chloride, Anhydrous, granular	Sigma	C1016	
GenTeal Tears	Alcon	NDC 0078-0429-47	to lubricate the eyes during anesthesia
Goniotaire: Hypromellose (2.5%) Ophthalmic Demulcent Solution (Sterile)	Altaire Pharmaceuticals Inc.	NDC 59390-182-13	to lubricate the eyes during anesthesia
Hamilton Needle/syringe Tip: 27 G, Small Hub RN NDL, custom length (12 mm), point style 3, 6/PK	Hamilton	7803-01	for intravitreal delivery of capsules
Hamilton Syringe: 2.5 µL, Model 62 RN SYR, NDL Sold Separately	Hamilton	7632-01	for intravitreal delivery of capsules
HEPES buffer, 1 M	Fisher Bioreagents	BP299100	
High voltage generator	ESD EMC Technology	ES813-D20	
LIVE/DEAD Viability/Cytotoxicity Kit	Thermofisher Scientific	L3224	
L-Ornithine hydrochloride, 99%	Alfa Aesar	A12111	
Neomycin and Polymyxin B Sulfates and Dexamethasone Ophthalmic Ointment	SANDOZ	NDC 61314-631-36	antibiotic to prevent infection after intravitreal injection
Phenylephrine Hydrochloride Ophthalmic Solution (2.5%)	Akorn	NDC 17478-201-15	for pupil dilation
Sodium Chloride	Sigma	S-5886	
Sterile syringe filters, 0.2 µm	VWR	28143-312	
Syringe pump	GRASEBY	MS16A	