

Materials List for:

A Rabbit Model of Aqueous-Deficient Dry Eye Disease Induced by Concanavalin A Injection into the Lacrimal Glands: Application to Drug Efficacy Studies

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Materials

Name	Company	Catalog Number	Comments
100 mm macro lens	Canon EF 100mm f/2.8L IS USM	3554B002	
26 gauge needles (5/8)	Becton Dickinson and Company, Franklin Lakes, NJ	305115	Needles for injecting ConA into the lacrimal glands
27 gauge needles (5/8)	Becton Dickinson and Company, Franklin Lakes, NJ	305921	Needles for injecting ConA into the lacrimal glands
Aceproinj (acepromazine)	Henry Schein Animal Health, Dublin, OH	NDC11695-0079-8	0.1ml/kg subcutaneously injection for rabbit sedation
Anesthesia vaporizer	VetEquip, Pleasanton, CA	Item #911103	
Bishop Harmon Forceps	Bausch and Lomb (Storz), Bridgewater, NJ	E1500-C	Tissue forceps
Caliper	Bausch and Lomb (Storz), Bridgewater, NJ	E-2404	Caliper used to measure length of needle during ConA injection
Concanavalin A	Sigma, St. Louis, MO	C2010	Make 5mg/ml in PBS for injection into rabbit lacrimal glands
DSLR camera	Canon EOS 7D DSLR	3814B004	Digital single lens reflex camera
fluorescein	AKRON, Lake Forest, IL	NDC17478-253	Dilute to 0.2% with PBS to measure TBUT
Isoflurane	Henry Schein, Melville, NY	29405	
Lactoferrin ELISA kit	MyBiosource, San Diego, CA	MBS032049	Measure tear lactoferrin level
lidocaine	Sigma, St. Louis, MO	L5647	1% in PBS for anesthesia agent
macro/ring flash	Canon Macro Ring Lite MR-14EXII	9389B002AA	
Osmolarity tips	TearLab Corp., San Diego, CA	#100003 REV R	Measure tear osmolarity
PBS (phosphate buffered saline)	Mediatech, Inc. Manassas, VA	21-031-CV	
Rabbit, New Zealand White or Dutch Belted (as described in text)	Charles River Labs, Waltham, MA	2-3 kg	Research animals
Rose Bengal	Amcon Laboratories Inc., St. Louis, MO	NDC51801-004-40	1% in PBS, stain the ocular surface
Schirmer strips	Eaglevision, Katena products. Denville, NJ	AX13613	Measure tear production
Surgical Loupes +1.50	Designs for Vision, Bohemia, NY	Specialty item	Provide magnification of ocular surface while observing tear break up and performing Concanavalin A injections.
TearLab Osmometer	TearLab Corp., San Diego, CA	Model #200000W REV A	Measure tear osmolarity
Ultrasound probe	VisualSonics Toronto, Ont	MX 550 S	Untrasonography-guide Con A injection for inferior lacrimal gland