

Materials List for:

A Model of Glaucoma Induced by Circumlimbal Suture in Rats and Mice

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Materials

Name	Company	Catalog Number	Comments
normal saline	Baxter International Inc	AHB1323	Maintain corneal hydration during surgery
Chlorhexadine 0.5%	Orion Laboratories	27411, 80085	Disinfection of surgical instrument
Isoflurane 99.9%	Abbott Australasia Pty Ltd	CAS 26675-46-7	Proprietary Name: Isoflo(TM) Inhalation anaesthetic. Pharmaceutical-grade inhalation anesthetic mixed with oxygen gas for suture procedure
ocular lubricant	Alcon Laboratories	1618611	Proprietary Name: Genteal, ocular lubricant to keep the other eye moist
Needle holder (microsurgery)	World Precision Instruments	555419NT	To hold needle during ocular surgery
Proxymetacaine 0.5%	Alcon Laboratories	CAS 5875-06-9	Topical ocular analgesia
Scissors (microsurgery)	World Precision Instruments	501232	To cut excessive suture stump during ligation
Surgical drape	Vital Medical Supplies	GM29-612EE	Ensure sterile environment during surgery
Suture needle for rats (microsurgery)	Ninbo medical needles	151109	8-0 nylon suture attached with round needle, cutting edge 3/8, dual-needle, suture length 30cm
Suture needle for mice (microsurgery)	Ninbo medical needles	160905	10-0 nylon suture attached with round needle, cutting edge 3/8, dual-needle, suture length 30cm
Tweezers (microsurgery)	World Precision Instruments	500342	Manipulate tissues during ocular surgery
rebound tonometer	TONOLAB, iCare, Helsinki, Finland	TV02	for intraocular pressure monitoring