

Materials List for

Ex Vivo and In Vivo Animal Models for Mechanical and Chemical Injuries of Corneal Epithelium

Kuo Hsuan Hung^{1,2,3}, Lung Kun Yeh^{1,2}

¹Department of Ophthalmology, Chang-Gung Memorial Hospital ²Chang-Gung University College of Medicine ³Institute of Clinical Medicine, National Yang Ming Chiao Tung University

Corresponding Author

Lung Kun Yeh
yehlungkun@gmail.com

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jove.com/video/63217

Materials

| Name | Company | Catalog Number | Comments |
|--|--|----------------|--|
| 6/0 Ethicon vicryl suture | Ethicon | 6/0VICRYL | tarsorrhaphy |
| Barraquer lid speculum | katena | K1-5355 | 15 mm |
| Barraquer needle holder | Katena | K6-3310 | without lock |
| Barron Vacuum Punch 8.0 mm | katena | K20-2108 | for cutting filter paper |
| C57BL/6 mice | National Laboratory Animal Center | RMRC11005 | mouse strain |
| Castroviejo forceps 0.12 mm | katena | K5-2500 | |
| Corneal rust ring remover with 0.5 mm burr | Algerbrush IITM; Alger Equipment Co., Inc. Lago Vista, TX | CHI-675 | for debridement of the corneal epithelium |
| Filter paper | Toyo Roshi Kaisha, Ltd. | 1.11 | |
| Fluorescein sodium ophthalmic strips U.S.P | OPTITECH | OPTFL100 | staining for corneal epithelial defect |
| Ketamine hydrochloride | Sigma-Aldrich | 61763-23-3 | intraperitoneal or intramuscular anesthetics |
| New Zealand White Rabbits | Livestock Research Institute, Council of Agriculture, Executive Yuan | | Rabbit models |
| Normal saline | TAIWAN BIOTECH CO., LTD. | 100-120-1101 | |
| Proparacaine | Alcon | ALC2UD09 | topical anesthetics |
| Skin biopsy punch 2mm | STIEFEL | 22650 | |
| Sodium chloride (NaOH) | Sigma-Aldrich | 1310-73-2 | a chemical agent for alkali burn |
| Stereomicroscope | Carl Zeiss Meditec, Dublin, CA | SV11 | microscope for surgery |
| Westcott Tenotomy Scissors Medium | katena | K4-3004 | |
| Xylazine hydrochloride 23.32 mg/10 mL | Elanco animal health Korea Co., LTD. | 047-956 | intraperitoneal or intramuscular anesthetics |