

Materials List for:

Isolation of Intact Eyeball to Obtain Integral Ocular Surface Tissue for Histological Examination and Immunohistochemistry

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Materials

| Name | Company | Catalog Number | Comments |
|--|------------------------------|----------------|--|
| 1× Phosphate buffered saline (PBS) | Transgen Biotech | FG701-01 | |
| 50ml centrifuge tube | Corning | 430829 | |
| Adhesive microscope slides | Various | | |
| Alexa Fluor 488 Phalloidin | Invitrogen/Life Technologies | A12379 | Suggested concentration 1:500 - 1,000 |
| Alexa Fluor 568 Phalloidin | Invitrogen/Life Technologies | A12380 | Suggested concentration 1:500 - 1,000 |
| Anti-K12 antibody | Abcam | ab124975 | Suggested concentration 1:1,000 |
| Anti-K14 antibody | Abcam | ab7800 | Suggested concentration 1:800 |
| Citric acid | Various | | |
| Cover slide | Various | | |
| Curved forceps | World Precision Instruments | 14127 | |
| Dissecting microscope. | Olympus | SZ61 | |
| Ethyl alcohol | Various | | |
| Fluorescent Microscope | Zeiss | Axiomager.Z2 | |
| Fluoromount-G Mounting media | SouthernBiotech | 0100-01 | |
| Micro dissecting scissors-straight blade | World Precision Instruments | 503242 | |
| Microwave ovens | Galanz | P70D20TL-D4 | |
| Mouse strains | C57/BL6 and Sv129 mixed | | |
| No.4 straight forceps | World Precision Instruments | 501978-6 | |
| Normal Goat Serum | Various | | |
| Paraformaldehyde (PFA) | Various | | Prepare a 4% solution in 1× PBS and filter with 0.45µm filter membrane |
| Tissue culture dish | Various | | |
| Trisodium citrate | Various | | |
| Triton X-100 | Sigma-Aldrich | SLBW6818 | |