

Materials List for:

A Seminiferous Tubule Squash Technique for the Cytological Analysis of Spermatogenesis Using the Mouse Model

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Materials

| Name | Company | Catalog Number | Comments |
|---|------------------------------------|------------------|-----------|
| 16% Paraformaldehyde Aqueous | Electron Microscopy Sciences (EMS) | 15710 | |
| 10x PBS | Quality Biological | 119-069-161 | |
| Triton X-100 | Sigma | T8787 | |
| BSA | Sigma | A1470 | |
| Horse Serum | Sigma | H-1270 | |
| 35mm x 10mm Petri Dish, Sterile, non-treated | CellTreat | P886-229638 | |
| Poly-L-lysine coated glass slides | Sigma | P0425-72EA | |
| Liquid Blocker Pen | Electron Microscopy Sciences (EMS) | 71310 | |
| Humid Box | Evergreen | 240-9020-Z10 | |
| Wheaton Coplin Glass Staining Dish for 5 or 10 Slides | Fisher | 08-813E | |
| VECTASHIELD Antifade Mounting Medium with DAPI | Vector Labs | H-1200 | |
| Microscope Cover Slides (22mmx60mm) | Fisher | 12-544-G | |
| Clear Nail Polish | Amazon | N/A | |
| Microscopes | | | |
| Name | Company | Catalog Number | Comments |
| SteREO Discovery.V8 | Zeiss | 495015-0001-000 | |
| Observer Z1 | Zeiss | 4109431007994000 | |
| Zeiss ZEN 2012 blue edition image software | Zeiss | | |
| ORCA-Flash 4.0 CMOS camera | Hamamatsu | | |
| Primary Antibodies | | | |
| Name | Company | Catalog Number | Comments |
| Mouse anti-SYCP3 | Santa Cruz | sc-74569 | 1 in 50 |
| Rabbit anti-SYCP3 | Fisher (Novus) | NB300-231 | 1 in 1000 |
| Goat anti-SCP3 | Santa Cruz | sc-20845 | 1 in 50 |
| Human anti-Centromere Protein | Antibodies Incorporated | 15-235 | 1 in 100 |
| Mouse anti-alpha tubulin | Sigma | T9026 | 1 in 1000 |
| Mouse anti-AIM1 | BD Biosciences | 611082 | 1 in 200 |
| Mouse anti-γH2AX | Thermo Fisher | MA1-2022 | 1 in 500 |

| | | | |
|-------------------------|---------------------------------|---------------|-----------|
| Mouse anti-CENT3 | Abnova | H00001070-M01 | 1 in 200 |
| Rabbit anti-pericentrin | Abcam | ab4448 | 1 in 200 |
| Rabbit anti-REC8 | Courtesy of Dr. Karen Schindler | N/A | 1 in 1000 |