

Materials List for

Xenopus laevis Egg Extract Preparation and Live Imaging Methods for Visualizing Dynamic Cytoplasmic Organization

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jove.com/video/61923

Materials

| Name | Company | Catalog Number | Comments |
|---|------------------------------|----------------|--|
| 17 ml centrifuge tube | Beckman Coulter | 337986 | |
| 22x22 mm square #1 cover glass | Corning | 284522 | |
| Aprotinin | MilliporeSigma | 10236624001 | Protease inhibitor |
| Cycloheximide | MilliporeSigma | 01810 | Protein synthesis inhibitor |
| Cytochalasin B | MilliporeSigma | C6762 | Actin polymerization inhibitor |
| Female <i>Xenopus laevis</i> frogs | Nasco | LM00535MX | |
| Fluorescent HiLyte 488 labeled tubulin protein | Cytoskeleton, Inc. | TL488M-A | For visualizing the microtubule cytoskeleton |
| Fluorescent HiLyte 647 labeled tubulin protein | Cytoskeleton, Inc. | TL670M-A | For visualizing the microtubule cytoskeleton |
| Fluorinated ethylene propylene (FEP) optically clear tape | CS Hyde company | 23-FEP-2-5 | |
| Glass Pasteur pipette | Fisher Scientific | 13-678-20C | |
| Human chorionic gonadotropin (hCG) | MilliporeSigma | CG10 | |
| Imaging spacer | Electron Microscopy Sciences | 70327-8S | |
| Leupeptin | MilliporeSigma | 11017101001 | Protease inhibitor |
| Microscope slides | Fisher Scientific | 12-518-100B | |
| Mineral oil | MilliporeSigma | 330760 | |
| MitoTracker Red CMXRos | Thermo Fisher Scientific | M7512 | For visualizing mitochondria |
| Pregnant mare serum gonadotropin (PMSG) | BioVendor | RP1782725000 | |
| Roller applicator | Amazon | B07HMBJSP8 | For applying the FEP tape to the glass slides and coverslips |
| Single-edged razor blades | Fisher Scientific | 12-640 | For removing excessive FEP tape |
| Transfer pipette | Fisher Scientific | 13-711-7M | |