

Materials List for:

# Preparation and Observation of Thick Biological Samples by Scanning Transmission Electron Tomography

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## Materials

| Name                            | Company          | Catalog Number         | Comments  |
|---------------------------------|------------------|------------------------|---|
| Phosphate Buffered Saline       | Sigma-Aldrich    | P4417                  |   |
| Ethanol                         | Sigma-Aldrich    | 2860                   |   |
| Epoxy resin                     | EMS              | 14120                  |   |
| Paraformaldehyde                | Sigma-Aldrich    | P6148                  | Add paraformaldehyde powder to PBS heated at approximately 60 °C.<br>Increase pH by adding 1 N NaOH until no PFA powder is visible. |
| Glutaraldehyde                  | Sigma-Aldrich    | G5882                  |   |
| Osmium Tetroxyde                | EMS              | 19150                  |   |
| Uranyl Acetate                  | Sigma-Aldrich    | 73943                  |   |
| Gelatin Capsule                 | EMS              | 70110                  |   |
| Triming and Histo knives        | LFG Distribution | Diatome diamond knives |   |
| Electron Microscopy copper grid | LFG Distribution | G200-Cu                |   |
| Grid Coating Pen                | LFG Distribution | 70624                  |   |
| Specimen Holder                 | JEOL             | EM-21311 HTR           |   |
| Electron Microscope             | JEOL             | JEM-2200FS             |   |