Materials List for:

A Human Fallopian Tube Model for Investigation of *C. trachomatis* Infections

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**Materials**

| Name                  | Company       | Catalog Number | Comments                  |
|-----------------------|---------------|----------------|---------------------------|
| DMEM                  | PAA           | E15-843        |                           |
| RPMI                  | PAA           | R15-802        |                           |
| FCS                   | PAA           | A15-101        |                           |
| Cycloheximide         | Sigma - Aldrich |               |                           |
| SPG Buffer            | various       |                | see recipe below          |
| Monti's fixative      | various       |                | see recipe below          |
| sodium cacodylate buffer | various   |                | see recipe below          |
| Richardson's stain    | various       |                | see recipe below          |

**Recipes:**

1. **SPG Buffer**
   1. Add 75 g sucrose.
   2. Add 2.47 g disodium phosphate.
   3. Add 0.36 g monosodium phosphate.
   4. Add 0.72 g glutamic acid.
   5. Fill to 1 l with aqua dest.
   6. Adjust pH to 7.3.

2. **0.1 M sodium cacodylate buffer, pH 7.35.**
   1. Add 42.80 g dimethylarsenic acid sodium salt.
   2. Add 68.46 g sucrose.
   3. Fill to 1 l with aqua dest. to get 0.2 M sodium cacodylate buffer.
   4. Before use dilute solution with aqua dest. to desired concentration and adjust pH to 7.35 if necessary.

3. **Monti's fixative**
   1. Add 156 ml 0.12 M sodium cacodylate buffer.
   2. Add 25 ml 25% glutaraldehyde in aqua dest.
   3. Add 19 ml 10% paraformaldehyde in aqua dest.
   4. Add 3 ml 3% CaCl₂ in aqua dest.
   5. Adjust pH to 7.35 and fill with aqua dest. to 312 ml final solution.

4. **Richardson's stain**
   1. Mix equal parts of 1% methylene blue in 1% aqueous borax solution and 1% Azur II in aqua dest.