# CULTURE MEDIUM PREPARATION
## 2% FBS/1% Antibiotic/RPMI 1640 (50 mL)

<table>
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<th>Step</th>
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| 1    | - Allow hood to operate for a few minutes  
- Spray hood surfaces with ethanol (70%)  
- Wipe off excess ethanol |
| 2    | - Using the 1 mL pipettor, add 1 mL FBS into 50 mL tube  
- Note: You are preparing a 2% FBS culture medium. The most common is 10%. For our purposes, 2% works adequately |
| 3    | - Using the 1 mL pipettor, add 0.5 mL antibiotic/anti-mycotic into the 50 mL tube  
- We make use of a combination of penicillin/streptomycin for antibacterial purposes  
- We make use of amphotericin B for antifungal purposes |
| 4    | - Add 48.5 mL RPMI 1640 medium to the tube using the electric pipettor (final volume is 50 mL)  
- Use a 10 mL or 25 mL pipette  
- DO NOT aspirate medium into pipettor. The pipettor has a filter which gets wet when overaspirating and essentially gets destroyed |
| 5    | - Label your 50 mL tube with the following:  
- Your group designation i.e A, B, C, D  
- The date the medium was prepared i.e 01/20  
- Label the % of each constituent i.e 2% FBS/1% Antibiotic/RPMI 1640 |