

Sample Preparation for Flow Cytometry

Introduction

Materials

- › Versene
 - › Clear liquid on Brian's side of drawer
- › Trypsin
 - › Remember to put Trypsin and cell media into dry bath to warm them up before starting
- › HEK cell media
- › Flow cytometry tubes
 - › Tubes with Blue filters on top
 - › One for each well
- › Ice Bucket
- › Glass pipette tips
- › P200 and P1000 pipette tips

Procedure

Preparing Samples

1. Retrieve cells from incubator
2. Look at the wells under the EVOS microscope by the Lu Bench to check the cells and look for fluorescence
3. For each well:
 - Aspirate the media (make sure the tip does not touch the bottom of the well)
 - Pipette 200 uL of versene slowly down the side of the well
4. Again, for each well:
 - Aspirate the versene
 - Pipette 200 uL of trypsin and wait three minutes
5. Add 500 uL of media to each well
6. Label flow cytometry tubes and put in an ice bucket

7. Pipette up and down in circles, and then add entire mixture of media and trypsin to a flow cytometry tube through the filter
8. Go find Brian, and he will load your samples into the cytometer