

# Feeding a Monolayer Culture

## Outline

Examine cell culture on an inverted microscope. Remove old medium and add fresh growth medium. Return culture to the incubator.

## Materials

### *Sterile*

- Cell culture
- Culture flasks, T25, T75, or T150
- Growth medium
- Pipettes, 5 mL

### *Nonsterile*

- Pipette Aid
- Alcohol, 70% in spray bottle
- Kimwipes

## Protocol

1. Prepare hood by swabbing with 70% alcohol
2. Collect materials and reagents and place them in biosafety hood, swab with 70% alcohol
3. Prewarm medium in water bath to 37°C
4. Retrieve culture flask from the incubator
5. Examine cells on an inverted microscope: look for signs of cell deterioration or contamination
6. Place culture flask in biosafety hood
7. Remove the medium by aspirating
8. Add 0.2 mL/cm<sup>2</sup> of fresh medium to the side of the flask
9. Recap flask and medium bottle
10. Return flask to the incubator
11. Return medium bottle to 4°C
12. Clean hood by swabbing with 70% alcohol