NEW FluoroCells™ for Fluorescent Transformation Instructions
Substitute for Cell Slant
EDVO-Kit #s 222, 223, & 303

Add 2 ml reconstitution medium to FluoroCell™ vial

Day before the experiment

This experiment requires preparation of isolated *E.coli* host transformation colonies 16-18 hours before the laboratory experiment, so plan accordingly.

Important: Do not prepare source plates more than 18 hours before the experiment. Older source plates will compromise the success of the transformation experiment.

Transfer 50-75 µl cells to each source plate and streak

Preparation of *E. coli* Cells

1. Use a sterile pipet to add 2 ml of cell reconstitution medium to the vial of FluoroCells™.

2. Replace the rubber stopper and cap. Mix by gently inverting until the freeze dried plug is dissolved.

3. Incubate the vial of cells for 30 - 60 minutes in a 37℃ incubation oven.

   Growth should be evident (Broth should be slightly turbid or cloudy). If growth is not evident, incubate for a longer period of time.

4. Transfer 50 - 75 µl of cells to each source plate and streak the cells on one quadrant of each plate with a sterile loop. (figure top right).

5. With the same loop, streak through the cells once or twice into another clean section of the plate (figure bottom right) to obtain isolated colonies.

6. Label the plates "*E. coli*", invert and incubate the plates overnight (16-18 hours) at 37℃ in an incubation ov en.

   If growth on plates is heavy (i.e. few or no isolated colonies), instruct students to touch the toothpick to a small amount of cells.

Incubate source plates 16-18 hours overnight @ 37℃

QuickTime™ and a decompressor are needed to see this picture.

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