



## **Experiment preparation for Zero to Genetic Engineering Hero**

*Print and checkmark as you complete!*

### **A. Getting your space ready**

1. Did you acquire the Wearables/Safety Equipment in Chapter 2?

Lab coat, artist smock, or similar

Shoes that cover entire feet

2. Did you acquire the Cleaning and Other Supplies in Chapter 2?

Lab gloves (nitrile/latex)

Paper towel

Liquid bleach

Permanent marker

Spray cleaner

Alcohol cleaner (70-99% rubbing alcohol)

Discard container

Garbage pail with heavy duty garbage bag

3. Do you have a workspace surface that is easily wipeable and that is level?

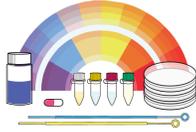
Plastic, metal, or varnished wooden table

4. Download and print the free safety posters offered by the Public Health Agency of Canada

Biosafety

Biosecurity

Post them on your table or the walls of your work area



## **B. Ready for your experiment!**

1. Wipe down your table with cleaner

- Using a spray cleaner, spray down your table and then wipe dry with paper towels
- Throw away your used paper towels in the normal garbage

2. Get ready to Experiment

- Set up your equipment (e.g. Minilab) and your discard container
- Set up supplies you might need during your experiment (e.g. gloves, paper towels, spray cleaner)
- Get your kits from storage (e.g. in the fridge)
- Get your discard container, open your kit and place an inactivation bag in it.

3. Do your experiment

- While doing your experiment, any items that come into contact with bacteria are placed in the inactivation bag in the discard container
- Any items that do not come into contact with bacteria are placed in a normal garbage

## **C. Clean up after your experiment**

- After you are finished your experiment you may immediately inactivate your experiment samples, however, if your bag is quite empty you can wait for further experimental waste from further experiments. If you see "weird stuff" that do not look like *E. coli* growing, then complete the inactivation step.
- Store items as recommended by instructions (e.g. extra plates in fridge)
- Do a final wipe down with spray cleaner and paper towel