**ANTIBIOTIC RESISTANCE LAB MATERIALS**

**162H SPRING 2024**

**WEEK 1: MARCH 5/7**

* *Escherichichi coli* cells \*will talk to Peg about getting this
* *Staphylococcus epidermidis* cells \*will talk to Peg about getting this
* sterile beads and waste receptacle for used beads
* pipetteman and sterile tips and waste receptacle for used tips
* antibiotic disks (at least 80 disks of 6 different antibiotics)
* forceps (2-4 per table)
* Ethanol spray bottles (1 per table) and Kim wipes
* parafilm and scissors
* Sandwich size zip lock bags (1 per student = 40 minimum)
* Nitrile gloves (2 pair per student = 80 minimum)
* LB plates (1 per student + spares = 50 LB plates)
* MC plates (1 per student + spares = 50 MC plates)
* incubator

**WEEK 2: MARCH 12/14**

* Rulers
* LB plates (14 per pair + spares = 300 LB plates)
* MC plates (8 per pair + spares = 200 MC plates)
* sterile beads and waste receptacle for used beads
* pipetteman and sterile tips and waste receptacle for used tips
* spatulas and forceps for handling food items
* sterile tubes with 9 ml DM (14 per pair + spares = 300 tubes)
  + would be nice to have these measured out ahead of time, but students could do it themselves if that helps
  + could use test tubes or 25 ml falcon tubes, either works
* sterile bottle with 50 ml DM (1 per table + spares = 12 bottles)
* sterile 50 ml falcon tube (1 per student + spares = 50 tubes)
* Ethanol spray bottles (1 per table) and Kim wipes
* Digital scales (1 per table) and weighing boast
* Vortex
* Parafilm and scissors
* Nitrile gloves (1 pair per student = 40 minimum)
* *E. coli* cells \*will talk to Peg about getting this
* incubator

**WEEK 3: MARCH 26/28**

* LB plates (5 per person + spares = 220 LB plates)
* antibiotic discs (5 per person + spares = 240 disks of at least 6 different antibiotics)
* sterile swabs and waste swab container
* sterile glass beads and waste bead container
* markers
* forceps
* Rulers
* Parafilm and scissors
* Nitrile gloves
* *E. coli* cells \*will talk to Peg about getting this
* incubator

**WEEK 4: APRIL 2/4**

* No materials needed

**Total plate estimates**:

LB = 50+300+220 = 570\*

MC = 50+200 = 250\*

\*\*This is not accounting for groups that may need to re-plate their samples, so it’s good if we have lots of extras