**Quantitative systems s2013**

**Antibiotic resistance lab**

**Week #1: Laboratory preparations – overview and practice**

Kate - Please have the following materials available to the students during the lab period of laboratory #1.

NOTE: students will require 24-hour access to the lab following the first laboratory period.

Per Person

* 4 LB plates
  + 4 x 20 students per class x 2 classes = 160 plates
* 4 MacConkey plates
  + 200 plates
* 8 Sterile swabs

Available at each set of desks

* trash container
* several extra sterile cotton swabs
* gloves
* markers (sharpies)

Available for the entire class

* shelf in an incubator
* shelf in a refrigerator

Chris – Please have the following materials available to the students during lab period of laboratory #1.

* BZB cultures
* Fecal samples (prepared 1 per bench)
* Sample of plates (different media) to walk through microbiology techniques and to show what the students are going to be doing and – and some examples of what you don’t want to see on their plates!
* LB and Mac plates
* Loop and sterile swabs