**Quantitative systems s2013**

**Antibiotic resistance lab**

**Week #2: Laboratory preparations – bacteria sampling**

Kate - Please have the following materials available to the students during the lab period of laboratory #2.

Per Person

* 15 MacConkey plates
  + 15 x 20 students per class x 2 classes = 600 plates
* 15 sterile swabs

Available at each set of desks

* parafilm
* several extra sterile swabs and plates
* markers (sharpies)
* gloves
* trash container

Available for the entire class

* shelf in an incubator
* shelf in a refrigerator

The students may need additional plates as they redesign their experiments. Though there is no way to know the exact number, I estimate about 5 plates per person would be needed following the second lab period.

Chris – Please have the following materials available to the students during lab period of laboratory #2.

* BZB cultures
* Sterile LB
* Fecal samples (all animals)