

## **Kirby-Bauer method of antimicrobial susceptibility testing**

### **Steps** - click “Start”

1. From the main menu, click “Start” to begin the exercise.
2. Using the virtual ruler (the mouse), measure the zone of inhibition – the diameter of the clear zone (no bacterial growth) around each antibiotic disc - in millimeters. This is the zone in which bacterial growth has been inhibited by the antibiotic in the disc.
3. Compare the zone sizes to the values in the Table of Interpretive Standards next to the plate.
4. Click on the box corresponding to the appropriate result: R (resistant), I (intermediate), or S (susceptible).
5. Continue for each disc until the entire plate has been scored and the table is complete.
6. Click on “Restart” to start over. (note: the exercise will restart with a different organism.)

### **Credits**

Faculty: *Cindy Arvidson, PhD*

Producer: *Jiatyan Chen*

Programmer: *JoAnn Render*

Artist: *Deon Foster*