

Biochemical Tests

Module: Coagulase Test


Main menu

Description: provides a detailed explanation of the purpose, mechanism, method, and interpretation of the coagulase test.

Steps: step-by-step instructions for carrying out the coagulase test, with short video clips demonstrating each step.

Start or Restart: begins the virtual exercise

Method

1. Click on the H₂O bottle and drag it to a glass slide to place a drop of H₂O on the slide.
2. Click on the box of sterile sticks to select one stick, which becomes the mouse.
3. Click on one of the plates and then pick an isolated colony using the stick (mouse).
4. Move the stick (with bacteria) to the drop of H₂O on the slide and click once.
5. Drag the tip in the drop of H₂O on the slide to make a milky suspension.
6. The mouse will still be your stick, which is now contaminated and must be disposed of in the biohazard  waste container.
7. Click on the dropper in the tube of rabbit plasma (the dropper becomes the mouse).
8. Drag the dropper to the slide containing the bacterial suspension and click once to drop the plasma onto the slide.
9. Click on the slide and hold to gently rock and mix the suspension.
10. Watch for “clumping” or coagulation to develop slowly.
11. Answer question that pops up by clicking “positive” or “negative”.
12. The exercise can then be repeated for the second plate and glass slide.
13. At the end of the exercise, remember to place the contaminated glass slides in the appropriate sharps waste container.