

Name: _____

To watch video visit minipcr.com/micropipetting



How to Micropipette video questions

1. How many microliters make up one liter?

2. What are the names of the two buttons you will operate with your thumb?

3. What will happen if you try to operate a micropipette outside of its volume range?

4. The following volume indicator windows show the same readout. But this readout can indicate different volumes depending on the micropipette you are using. On the line below each readout, indicate the volume shown based on the size range of the micropipette. Remember that the top digit is always used when indicating the largest volume in the pipette's range.

2-20 μ l micropipette



20-200 μ l micropipette



100-1000 μ l micropipette



5. Why do you need to use a micropipette tip?

6. Number the following steps 1-6 in the correct order for transferring liquids with a micropipette.

- ___ Push down on the plunger of the micropipette to the first stop.
- ___ Push down the plunger past the first stop to the second stop.
- ___ Slowly release the plunger to draw up the liquid.
- ___ Place your pipette tip into the liquid you wish to pipette.
- ___ Without releasing the plunger, remove the tip from the tube or liquid.
- ___ Touch the tip to the bottom or side of a new tube or touch it to the liquid already in present in the new tube.

7. What may happen if you do not touch the tip to the side of a tube or to another liquid while dispensing the liquid you are pipetting?

8. When dispensing a liquid, what may happen if you release the plunger before you remove your pipette tip from the tube you are dispensing into?

9. When mixing using a micropipette, to which stop should you press up and down repeatedly?

10. If there are bubbles in your tube, how can you get rid of them?