

MLAB 2360 Clinical I
Serial Dilution using Automatic Pipettes

Name _____

____/20 points*

1. Label 6 tubes at the top with the patient's first and last initial, write a number 1-6 below.
2. Add 0.1 ml (100 μ L) of saline to each of 5 labeled tubes. DO NOT ADD saline to tube 6.
3. Add 0.1 ml of serum to tube 1. **NOTE:** GENTLY raise volume up and down 3 times. DO NOT draw up air.
4. Change the pipette tip and transfer 0.1 ml of tube 1 to tube 2. Do not change the tip again.
5. Continue transferring 0.1 mL.
6. DISCARD 0.1 ml from tube 5. Save the discard in the tube labeled tube 6.
7. Add 0.1 ml of 3% red blood cell suspension to each tube. MIX WELL.
8. Incubate at 4°C for 5 minutes.
9. Spin tubes for 20 seconds in serofuge.
10. Carefully resuspend the cell button, observing for agglutination which is a positive reaction. Record "pos" or "neg" for each test tube result.

Recording Results

Tube Number	1	2	3	4	5
Result (Positive or Negative)					
Dilution of tubes with serum and saline					
Titer					

Patient Name:	ID#
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Patient Result _____

Date/Time _____

Initials _____

***One point for each written response.**