

MLAB 2360 Clinical I

Activity 3 Part 1: Serial Dilutions

Name _____ Date _____

1. Label 7 tubes at the **top** with the patient's first and last initial, write a number 1-7 below.
2. Add 0.3 mL of saline to each of 7 labeled tubes.
3. Add 0.3 mL of serum to tube 1. **NOTE:** You may use the same pipette for the serum as you used for the saline as long as you are sure no contamination occurred. GENTLY raise volume up and down 3 times. DO NOT draw up air.
4. Transfer 0.3mL of tube 1 to tube 2.
5. Continue transferring 0.3 mL.
6. DISCARD 0.3 mL from tube 7.
7. Add 0.3 mL of 3% red blood cell suspension to each tube. MIX WELL.
8. Incubate at 4C for 10 minutes.
9. Spin tubes for 30 seconds in serofuge.
10. Carefully resuspend the cell button, observing for agglutination which is a positive reaction.

Recording Results

Patient Name:	ID #
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Tube Number	1	2	3	4	5	6	7
Observed Result (aggt or no aggt)							
Pos or Neg							
Dilution of tubes with serum and saline.							
Dilution of tubes AFTER RBCs added.							
Titer							

Patient Result _____

Date _____

Time _____

Initials _____