Serial dilution

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Outline

Serial dilution gets the bacteria/phage at an appropriate concentration at which to plate

Method

- Get the M9 10x concentrate and autoclaved DI water and create a working solution of M9 in a 50 mL falcon tube (5 mL of M9 10x and 45 mL of water)
- Put 180 µL of M9 into each well of a 96 well plate as necessary (using a multichannel pipette)
- Put 20 µl of bacterial culture in each well of the first row
- Mix the culture in the well (by pipetting up and down) then transfer to the next row (representing another ten fold dilution)
- Dispense of pipette tips
- With new pipette tips mix the culture in the next row and then transfer to the next row
- Dispense of pipette tips
- Repeat as necessary until all rows have been mixed and desired concentration for plating is achieved
- **MAKE SURE EACH ROW HAS BEEN TRANSFERRED OTHERWISE THE PLATES WILL HAVE NOTHING ON THEM**