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Centrifuged Sample Steps

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Abstract

For **One-step growth curves for Cellulophaga phages protocol**.

Troubleshooting

1 Pipet 100 µl from the flask into 900 µl of MSM in a 15 ml tube (you are diluting your sample 10x: 10^{-1})

Note

Once you know how many phages to expect, you know what dilutions of your early samples to plate to get good counts For example, if the T0 expected concentration is 10^4, there should be 100 plaques if you plate 100 µl of a 10^{-1} dilution.

Note

Note that if you are using a different MOI, you will need to calculate the expected number of phage at T0 to guide you in what dilution to plate This will depend on the total volume of the initial infection (ie, the volume of cells plus phages) So the concentration at T0 should be total phage added/volume of infection, divided by 1000 (for the 1:1000 dilution) Convert this to phages per ml.

2 Vortex briefly

3 Centrifuge at 5 min at 1000 rpm

00:05:00

4 Very carefully remove the tube (do not disturb the pellet!) and plate 100 µl