

Feb 02, 2016

Centrifuged Sample Steps

DOI

dx.doi.org/10.17504/protocols.io.ddj24m

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DOI: <https://dx.doi.org/10.17504/protocols.io.ddj24m>

Protocol Citation: Matthew Sullivan 2016. Centrifuged Sample Steps. **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.ddj24m>

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Protocol status: Working



Created: July 13, 2015

Last Modified: January 13, 2018

Protocol Integer ID: 1163

Keywords: step growth curves for cellulophaga phages protocol, step growth curves for cellulophaga phage, cellulophaga phages protocol, cellulophaga phage, cellulophaga, centrifuged sample step, step growth curve

Abstract

For [One-step growth curves for Cellulophaga phages protocol](#).

Troubleshooting




- 1 Pipet 100 μ l from the flask into 900 μ l 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 μ l 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 μ l