

Lab Log

Daniel Padfield

18/10/2017

- Autoclaved the soil again
- Autoclaved 1 L of DI millicule water
- Autoclaved 1 L of 0.6% soft agar
- Autoclaved a spoon to weigh out soil
- Got some *SBW25φ2* from Floh. Around 1 mL at 7.26×10^8 .
 - Grow up overnight
 - Transfer 60 μ l of bacteria and 10 μ l of phage (around 7×10^6 pfus) into 6 mL of KB agar
 - Should give a concentration of around 10^8 phage/mL
 - Done this in triplicate
- Grow up *lacZ* and *WT* strains overnight. Should give concentration of around $\sim 10^8$ cells in 60 μ l.
- Do these in triplicate
- Added 6 mL of frozen overnight culture from first experiment (18/08/2017 *lacZ* and WT)

Retrospectively work out density of the overnight stocks and phage

19/10/2017