

Growth Curve Report

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Overview of Growth Study

This report will highlight data acquired during a 8h growth study to “investigate the neutrality of *Tn7* antibiotic (CAM) neutral marker insertion in *Vibrio fischeri*”

Strains:

ES114

ET401

EM17

Note All cultures were derived from a single colony, isolated on CAM plates (2.5ug/mL) and grown in liquid SWT (100mL) overnight. These overnight cultures were used to inoculate fresh SWT (100mL) media and grown at 225rpm and 28C for 1.5h. After taking a turbidity measurement via spectrophotometry, each strain was diluted by placing a volume of this 1.5h culture into 100ml of fresh SWT. An initial OD was taken and the cultures were then placed into a shaking incubator @ 28C and 225RPM for the study.

I want to walk down the street and have people say ‘There goes Roy Hobbs, the best to ever play the game’.

Robert Redford, The Natural

Installation of R packages

Certain R packages, available on the CRAN repository, are required for this analysis.

```
install.packages(c('reshape2', 'dplyr', 'ggplot2'))
```