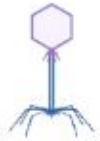


# Bacterial Strains and Growth Conditions

## Phage Isolation



Phage vB\_BthS\_BMBphi  
isolated in lab

## Bacteria Preparation



*B. thuringiensis* strain BMB171



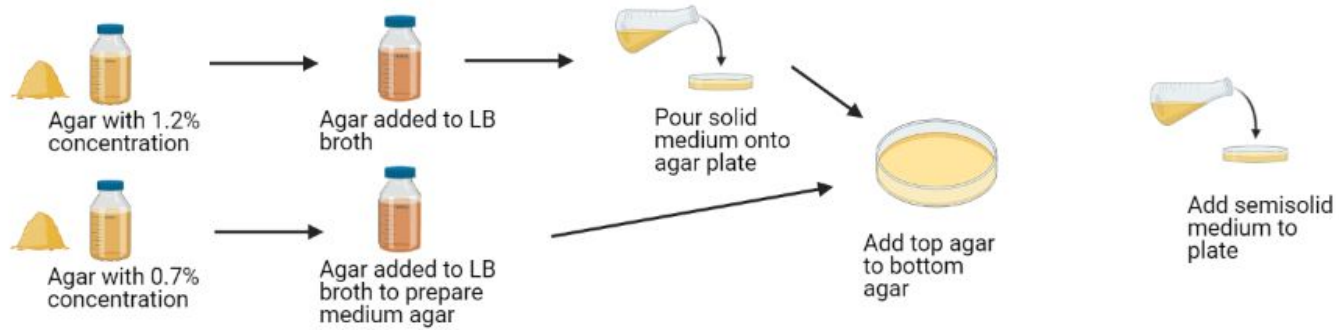
Cultivated in  
Luria-Bertani (LB) broth  
medium



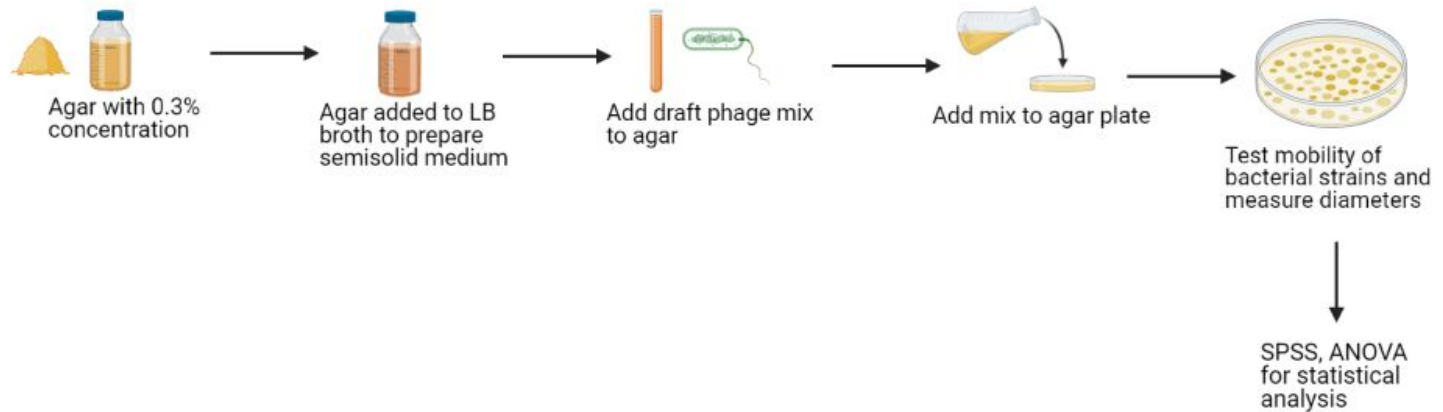
30° C, moderate shaking at  
180 rpm

## Agar Preparation

A.

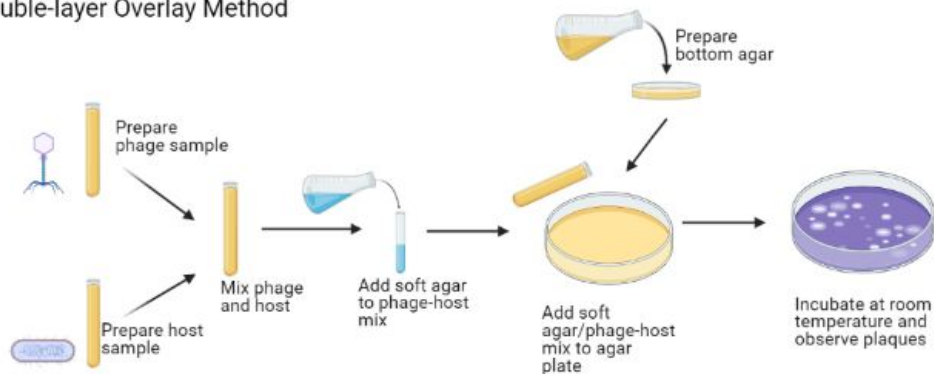


B.

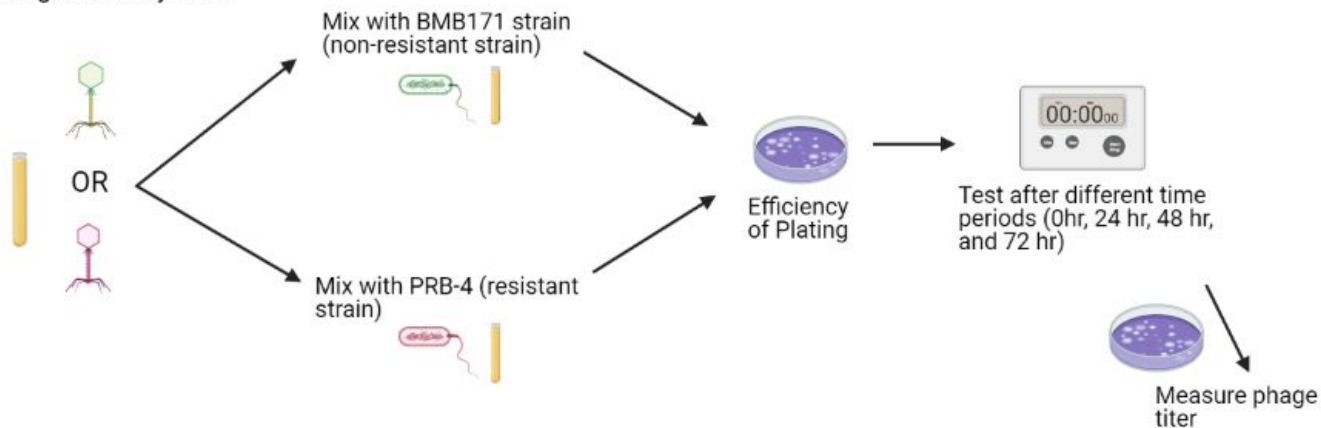


# Phage Propagation and Concentration Determination

## Double-layer Overlay Method

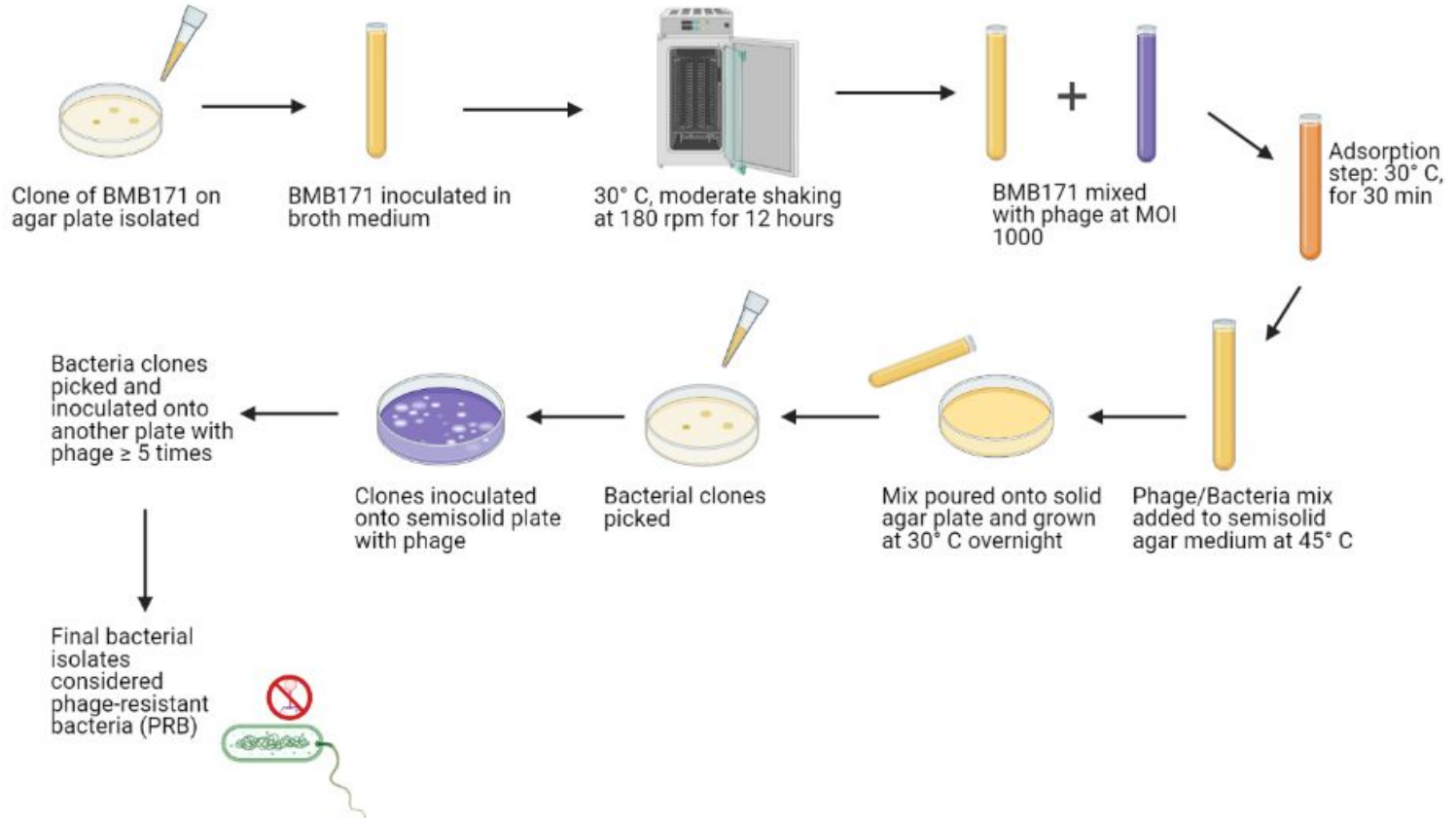


## Storage Stability Test

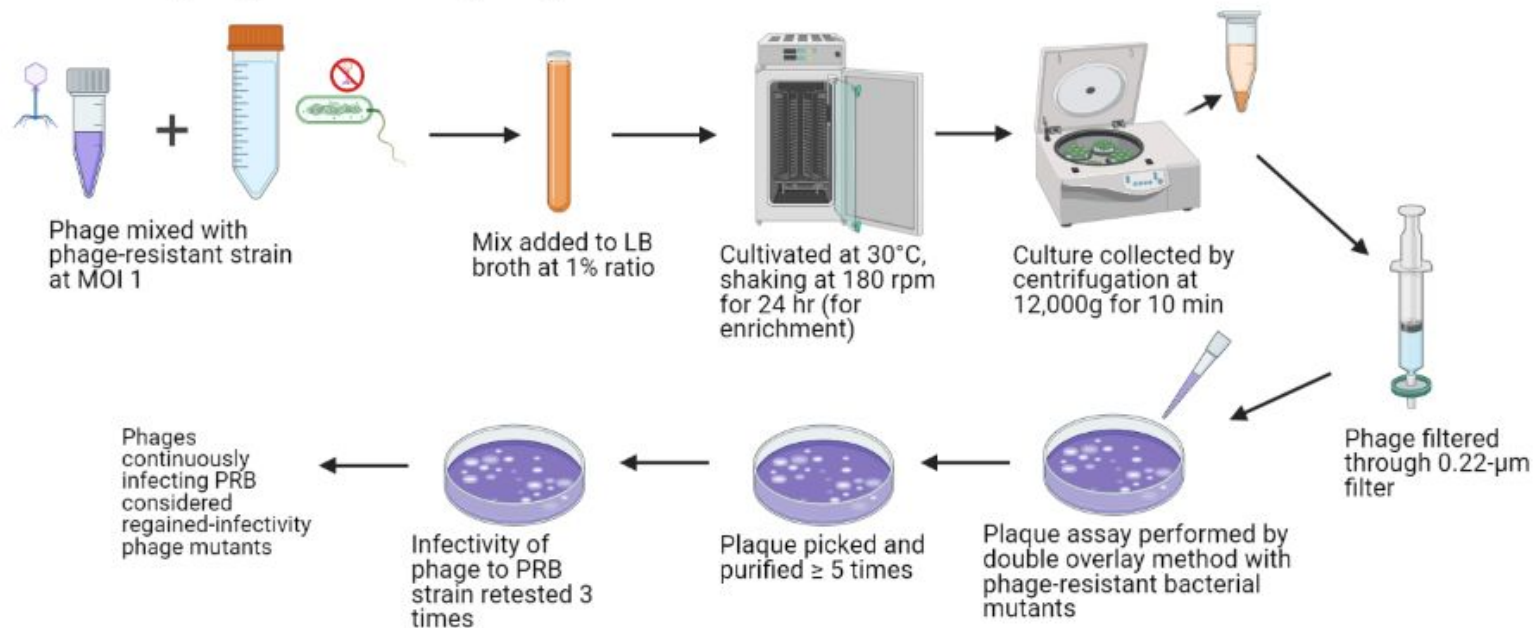


# Screening of Phage-Resistant Bacterial Mutants and Regained-Infectivity Phage Mutants

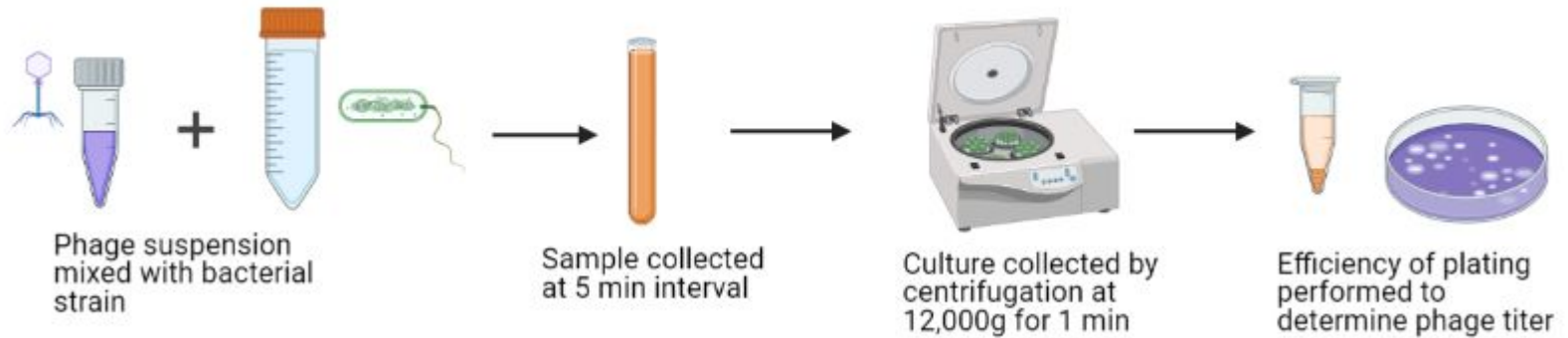
## A. Screening Phage-Resistant Bacterial Mutants



## B. Screening Regained-Infectivity Phage Mutants



## Binding Ability Assay of the Phage to Bacteria



## Bacterial and phage Genomic DNA Purification, Genome Sequencing, and Bioinformatic Analysis

