

Plate Amplification

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Abstract

For use in "[Obtaining pure cyanophage stock: plaque purification](#)"

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Guidelines

Use either the [liquid amplification method \(A\)](#) or the plate amplification method (B) in the "[Obtaining pure cyanophage stock: plaque purification](#)" protocol.

Protocol

Step 1.

Prepare plaque assays with a dilution series of lysate from the final purification.

NOTES

Amy Chan 03 Sep 2015

Plates with confluent lysis of the host lawn (typically ca. 10^4 PFUs) can then be used to obtain cyanophage stocks by elution of phages from the plates.

Step 2.

Add 5 mL sterile seawater to the plate.

Step 3.

Scrape off the top agar layer into the seawater.

Step 4.

Leave at 4°C overnight.

DURATION

18:00:00

Step 5.

Remove agar and cell debris by centrifugation.

Step 6.

Filter sterilize the stock.

Step 7.

Store at 4°C until further analysis.