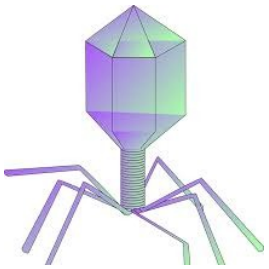
Jun 24, 2017

Bacteriophage Cryopreservation



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The Aquatic Microbial E...

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Protocol status: Working

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Protocol Integer ID: 6456

Abstract

Please contact Dr. Steven Wilhelm (wilhelm@utk.edu) for additional information regarding this protocol.

Materials

STEP MATERIALS

Glycerol **growcells.com Catalog** #MRGE-4002

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Protocol materials

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Preparation

1 Vortex a freshly lysed culture for 10 sec
00:00:10

2 Add 1 mL of phage into each cryogenic vial
1 mL

3 Add 1 mL of 20% glycerol to each vial with phage
1 mL
Glycerol **growcells.com Catalog #**MRGE-4002

4 Invert tubes several times

5 Place immediately in a -80ºC freezer

Transferring frozen virus particles

6 Remove cryogenic vials one at a time from the freezer

7 Using a sterile pipette tip, scrape a small amount of frozen virus particles into a 20 mL mid-log culture

8 Place cryogenic vials immediately back into the freezer

9 Allow to incubate and lyse culture under constant light conditions appropriate for your specific culture