

SOP-P087

Glycerol Samples (Bacteria) for -80° Freezer

Objective: To store bacteria using 20% glycerol + Broth in the -80° freezer

Products:

Cryule Vial Polypropylene Sterile: Wheaton Cat#982745 (50pcs)
Disposable inoculating Loop. (VWR cat#90001-100 BD Difco Blue 10ul)
Glycerol: 20% Solution
Broth: You can use either TSA or NZE, follow directions on the container.

Procedure:

1. Make a new streak plate of the bacteria you want to check for viability from recent or older plates or slants. If you get growth from the streak, take a few colonies and do a serial dilution to grow single colonies.
2. Spray a tray with 70% ethanol and place in the sterile hood. In that tray, put as many Cryule vials as you need for each bacteria. Label each vial with the bacteria PU number, type and date.
3. In each Cryule vial, put 1.5mls of the Broth+20% glycerol solution.
4. From your original streak of the bacteria, use the inoculating loop and take 3 to 4 colonies. You want the concentration to be high.
5. Using the loop, rub it on the side of the Cryule vial to remove most of the colonies. Then with a swirling motion, remove the remaining colonies from the loop. Be sure it is well blended in the glycerol mixture. If not, vortex until blended.
6. Repeat steps 2 through 5 for each of the different bacteria samples you want to store in the -80° freezer.
7. Place the Cryule vials in a freezer box and label the outside with the necessary information. Plate this box in the -80° freezer for long term storage.

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Verified by: _____ **Date:** 2/27/2014

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