



PREPARATION

Preparing 7H9

OBJECTIVE

To make stock 7H9 for use in growing mycobacterial cultures and plating mycobacterial lawns.

BACKGROUND

7H9 is used as the base for the medium commonly used to grow cultures of mycobacteria, and is added to MBTA to make top agar for plating lawns of bacteria.

APPROXIMATE TIME NEEDED

~15 minutes active

~40 minutes to autoclave

MATERIALS NEEDED

4.7 g 7H9 broth base


5 ml 40% glycerol

900 ml ddH₂O

Beaker/flask, stir bar, and stir plate for mixing

10 glass bottles for aliquoting

HELPFUL TIPS

 This broth is NOT ready for use as is. Depending on what it will be used for, 7H9 requires the addition of different supplementary reagents. See the **Working Media** protocol for details.

PROCEDURE

1. Combine all ingredients in the beaker/flask.
2. Add the stir bar, place on the stir plate, and mix moderately until well combined (~5-10 minutes).
3. Aliquot 90 ml to each of the 10 glass bottles.
4. Autoclave on a liquid cycle for an appropriate amount of time.