



## PREPARATION

# Preparing Phage Buffer

### OBJECTIVE

To make phage buffer for use in storing and diluting mycobacteriophage samples.

### APPROXIMATE TIME NEEDED

~10-15 minutes active  
~45 minutes to autoclave

### MATERIALS NEEDED (PER LITER)

10 ml 1 M Tris, pH 7.5  
10 ml 1 M MgSO<sub>4</sub>  
4 g NaCl  
980 ml dd H<sub>2</sub>O  
Large beaker, stir plate, and stir bar for mixing  
10 glass bottles for aliquoting and sterilizing

### HELPFUL TIPS

- ☞ This buffer is NOT ready to use. See the **Working Media** protocol to add final reagents.
- ☞ This buffer is our standard for mycobacteriophages. Other types of bacteriophages may require other buffers.

### PROCEDURE

1. Combine all ingredients in beaker.
2. Stir moderately until all are combined (roughly 5 minutes).
3. Aliquot 100 ml into each of 10 glass bottles.
4. Autoclave on a liquid cycle for an appropriate amount of time.