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| PREPARATION |

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| Preparing Phage Buffer |

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| **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 MgSO4  4 g NaCl  980 ml dd H2O  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. |