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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.
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| **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.
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