**Phosphate Buffer pH 7.00**

LQ164

Recommended for preparation of dilutions and blanks in accordance with USP.

**Composition**

**Ingredients**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Potassium dihydrogen phosphate</td>
<td>27.22 grams/1000ml</td>
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</table>

50 ml of the above solution is taken in 200 ml volumetric flask.

Add 29.1 ml of 0.2M Sodium hydroxide solution and make up the volume to 200 ml.

Final pH 7.00

**Formula adjusted, standardized to suit performance parameters**

**Directions**

Label the ready to use phosphate buffer pH 7.00. The bottle contains 9 ml of phosphate buffer which is used to prepare serial dilutions.

**Principle And Interpretation**

Phosphate buffer pH 7.00 is formulated as described in USP (1). The phosphate buffer is required for the antibiotic preparation used in antibiotic assay. It is also used in serial dilutions.

**Quality Control**

**Appearance**
Sterile clear Phosphate Solution pH 7.0 in bottles.

**Colour**
Colourless clear solution.

**Quantity**
9 ml of solution in bottles.

**Reaction**
7.00

**Sterility test**
Passes release criteria

**Storage and Shelf Life**
Store between 2-8°C. Use before expiry date on the label.

**Disposal**
User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques (2,3).

**Reference**