Phosphate Buffer, pH 7.2

Used as a diluent as recommended by United States Pharmacopeia.

**Composition**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Gms / Litre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium dihydrogen phosphate</td>
<td>34.000</td>
</tr>
<tr>
<td>Distilled water</td>
<td>500.000</td>
</tr>
</tbody>
</table>

The pH is adjusted to 7.2 with 1N NaOH and the volume made to 1000 ml with distilled water.

**Principle And Interpretation**

Phosphate buffer pH 7.2 is formulated as described in USP (1). The phosphate buffer is required for the antibiotic preparation used in antibiotic assay. It is used in preparation of dilutions.

**Quality Control**

**Appearance**
Sterile clear Phosphate Buffer Solution pH 7.2 in glass tubes.

**Colour**
Colourless clear solution.

**Quantity**
9 ml of solution in glass tubes.

**Reaction**
7.20 (pH)

**Sterility test**
PASSES release criteria

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

**Reference**