Butterfield's Phosphate Buffered Dilution Water

**Intended Use:**
Butterfield’s Phosphate Buffered Dilution Water is used for preparation of microbiological dilution blanks.

**Composition**

**Ingredients**
- Potassium dihydrogen phosphate: 34.00 gm
- Distilled Water: 1000.00 ml

**pH** 7.2

**Principle And Interpretation**
Butterfield's phosphate buffered dilution water, pH 7.2 is specified by the American Public Health association (APHA) for use in diluting test samples. It is specified for use in diluting water, dairy products and food for microbiological methods. This buffer is also referred to as Phosphate Buffer pH 7.2. It stabilizes the pH of water used for dilutions (1).

**Warning and Precautions**
In Vitro diagnostic use only. Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets.

**Performance and Evaluation**
Performance of the product is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.

**Quality Control**

**Appearance**
- Colourless solution.

**Clarity**
- Clear with no insoluble particles.

**Reaction**
- Reaction of the solution at 25°C
  - pH
    - 7.2

**Storage and Shelf Life**
On receipt store between 10-30°C in tightly closed container and away from bright light. Use before expiry date on label. On opening, product should be properly stored in dry ventilated area protected from extremes of temperature and sources of ignition. Seal the container tightly after use.

**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).

Please refer disclaimer Overleaf.
Reference