



## Butterfield's Phosphate Buffered Dilution Water

R094

Butterfield's Phosphate Buffered Dilution Water ,pH 7.2 is used for preparation of microbiological dilution blanks. This buffer is used rather than unbuffered water in order to standardized this potential variable due to the wide variation in the pH of distilled water from multiple sources.(1)

### Composition\*\*

#### Ingredients

Potassium dihydrogen phosphate	34.00 gm
Distilled Water	1000.00 ml

pH 7.2

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

Final 90ml Butterfield's phosphate buffered dilution water will contain 0.0003825gm Potassium dihydrogen phosphate .

### 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)

### 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

Store at 10-30°C in tightly closed container. Use before expiry period on the label.

### Reference

(1). Bacteriological Analytical Manual, 8th Edition, Revision A, 1998.

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#### Disclaimer :

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