BUTTERFIELDS PHOSPHATE BUFFER, 225ml (W430-225)

DiluteReady® Prepared Dilution Sample Bag

USE: Phosphate Buffer, pH 7.2 is used for the preparation of microbiological dilution blanks.

DESCRIPTION: The formula for phosphate buffer is specified by the American Public Health Association (APHA) for use in diluting test samples. Phosphate Buffer, pH 7.2 is specified for use in diluting water, dairy products and food for microbiological methods. This buffer is also referred to as Butterfield's Buffered Phosphate Diluent and recommended for examination of food.[2] Phosphate Buffer, pH 7.2 stabilizes the pH of water used for dilutions. Phosphate Buffer, pH 7.2 is used in the preparation of dilution blanks for use in microbiological testing. Phosphate Buffer is used rather than unbuffered water in order to standardize this potential variable due to the wide variation in the pH of distilled water from multiple sources.

FORMULA:
Monopotassium Phosphate ..... 22.2 g/L
Sodium Carbonate ..... 7.8 g/L
Note: Medium may be adjusted and/or supplemented as required to meet performance criteria.

Final pH: 7.2 ± 0.2 at 25°C

PHYSICAL APPEARANCE: Light yellow-straw, clear.

PROCEDURE: While supporting the Dilution Bag upright, aseptically tear open the top of the bag. Pull the bag open by the tabs on either side. To close the bag, fold the top end over three times and fold the end wires inward. Consult reference methods for testing application procedures.

STORAGE: Store the sealed DiluteReady® dilution bags at 2-30°C for up to the expiration date.

LIMITATIONS: Once the sample bag is opened, the bag must be used immediately. The Dilution Bag should be discarded if the culture media has become cloudy or has changed from the original color, or if the bag shows any sign of leakage.

For laboratory use only.

PACKAGING: One box contains ## of plastic zip-lock bags containing 5 DiluteReady® 240z Linear Tear Whirlpak Prepared Dilution Bags containing 225ml Butterfields Phosphate Buffered Water each. Additional configurations are available upon request.

REFERENCES:
1. Greenberg, Trussel, and Clesceri (eds.). 1985. Standard methods for the examination of water and wastewater, 16th ed. American Public Health Association, Washington, D.C.
2. Richardson. (ed.). 1985. Standard methods for the examination of dairy products, 15th ed. American Public Health Association, Washington, D.C.
3. Bacteriological Analytical Manual. 1995. 8th ed. AOAC International, Gaithersburg, MD.

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