



Phosphate Buffered Saline (PBS) pH 7.4

M1866

Phosphate-Buffered Saline (PBS), pH 7.4 is used for the preparation of dilution, blanks for the examination of samples from food, water and other specimens.

Composition**

Ingredients	Gms / Litre
Sodium chloride	7.650
Disodium phosphate, Anhydrous	0.724
Dipotassium hydrogen phosphate	0.210
Final pH (at 25°C)	7.40

**Formula adjusted, standardized to suit performance parameters

Directions

Suspend 8.58 grams in 1000 ml distilled water. Dispense and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Principle And Interpretation

Phosphate Buffered Saline (PBS) pH 7.4 is prepared as recommended by BAM (1). It is used as a diluent and sample preparation of *Vibrio* species.

Phosphates maintain the pH of the medium and sodium chloride maintains the osmotic balance

Quality Control

Appearance

White to cream homogeneous free flowing powder

Colour and Clarity of prepared medium

Colourless clear solution without any precipitate

Reaction

Reaction of 0.86 % w/v aqueous solution at 25°C. pH : 7.40

pH

7.40

Storage and Shelf Life

Store below 30°C in tightly closed container and prepared medium at 2-8°C. use before expiry period on the label.

Reference

1.E.L.Elliot,C.A.Kaysner,L.Jackson,M.L.Tamplin, V.cholerae, V.paraohaemolyticus, V.vulnificus and other *Vibrio* spp. Bacteriological Analytical Manual, 8th Edition, 1995.

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