

## Technical Information

### Phosphate Buffered Saline (PBS) pH 7.4

#### Product Code: DM 2866

**Application:** - Phosphate-Buffered Saline (PBS), pH 7.4 is recommended 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

#### Principle & 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.

#### Methodology

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

#### Quality Control

##### Appearance

White to cream homogeneous free flowing powder.

##### Colour and Clarity

Colourless clear solution without any precipitate.

##### Reaction

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

##### pH Range

7.40

#### Storage and Shelf Life

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

**Prepared Media:** 2-8° in sealable plastic bags for 2-5 days.

#### Further Reading

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



Dehydrated Culture Media  
Bases / Media Supplements

## Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
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