



## Phosphate Buffered Saline, pH 7.2

M1452

Phosphate Buffered Saline, pH 7.2 is used for preparation of dilutions and blanks.

### Composition\*\*

Ingredients	Gms / Litre
Sodium chloride	8.500
Disodium hydrogen phosphate	1.910
Potassium dihydrogen phosphate	0.380
Final pH ( at 25°C)	7.2±0.2

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

### Directions

Suspend 10.79 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 10 lbs pressure (115°C) for 10 minutes.

### Principle And Interpretation

Phosphate Buffered Saline is used for preparing dilutions, blanks for the examination of waters, dairy products, foods, utensils and other specimens. This solution gives a pH of 7.2 and also provides potassium, sodium and phosphate ions (1) .

### 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 1.08% w/v aqueous solution at 25°C. pH : 7.2±0.2

#### pH

7.00-7.40

### Storage and Shelf Life

Store below 30°C and the prepared medium at 2-8°C. Use before expiry date on the label.

### Reference

1.Clesseri, Greedberg and Eatton (ed). 1988. Standard methods for the examination of water and wastewater, 20th ed. American Public Health Association, Washington, D.C.

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#### Disclaimer :

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