



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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