



Phosphate Buffer, pH 8.0

M1783

Phosphate Buffer, pH 8.0 is recommended for preparation of dilutions and blanks in accordance with USP.

Composition**

Ingredients	Gms / Litre
Dibasic potassium phosphate	16.730
Monobasic potassium phosphate	0.523
Final pH (at 25°C)	8.0

**Formula adjusted, standardized to suit performance parameters

Directions

Suspend 17.25 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 121°C for 15 minutes.

Principle And Interpretation

Phosphate buffer pH 8.00 is formulated as described in USP (1). The phosphate buffer is required for the antibiotic preparation used in antibiotic assay.

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 1.72% w/v aqueous solution at 25°C. pH : 8.0

pH

8.00

Storage and Shelf Life

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

Reference

1. The United States Pharmacopoeia, 2009, The United States Pharmacopoeial Convention. Rockville, MD.

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Disclaimer :

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