

CM 21404 – PHOSPHATE BUFFER, pH 8.0

INTENDED USE

For preparation of dilutions and blanks in accordance with USP.

PRODUCT SUMMARY AND EXPLANATION

Phosphate buffer pH 8.0 is formulated as described in USP. The phosphate buffer is required for the antibiotic preparation used in antibiotic assay.

COMPOSITION

Ingredients	Gms / Ltr
Dibasic potassium phosphate	16.730
Monobasic potassium phosphate	0.523

PRINCIPLE

This medium consists of Dibasic potassium phosphate and Monobasic potassium phosphate that have excellent buffering capacity and are highly soluble in water.

INSTRUCTION FOR USE

- Dissolve 17.25 grams in 1000 ml purified/distilled water.
- Heat if necessary to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder	: White to cream homogeneous free flowing powder.
Appearance of prepared medium	: Colourless clear solution without any precipitate.
pH (at 25°C)	: 8.0

PACKAGING:

In pack size of 500 gm bottles.

STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

REFERENCES

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

