Technical Data

Phosphate Buffer pH 8.00

LQ519XC

Intended use:

Used as a diluent as recommended by USP

Composition**

Ingredients	Gms / Litre
Dipotassium hydrogen phosphate	16.730
Potassium dihydrogen phosphate	0.523
Final pH (at 25°C)	8.0

**Formula adjusted, standardized to suit performance parameters

Directions

Label the ready to use LQ519XC bottle. Inoculate 50-100 cfu sample and Incubate at specified temperature and time.

Principle And Interpretation

Phosphate buffer pH 8.00 is formulated as described in USP (3). The phosphate buffer is required for the antibiotic preparation used in antibiotic assay.

Type of specimen

Pharmaceutical samples.

Specimen Collection and Handling

For pharmaceutical samples follow appropriate techniques for handling specimens as per established guidelines (3). After use, contaminated materials must be sterilized by autoclaving before discarding.

Warning and Precautions

Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling specimens. Safety guidelines may be referred in individual safety data sheets.

Limitations

1. It is incompatible with calcium ions

Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.

Quality Control

Appearance

Sterile clear Phosphate Buffer Solution pH 8.0 in glass bottle.

Colour

Colourless clear solution

Quantity of the medium

90 ml of solution in glass bottles.

Sterility test

Passes release criteria

pH

8.00

Storage and Shelf Life

On receipt store between 15-25°C. Use before expiry date on the label Product performance is best if used within stated expiry period.

Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with sample must be decontaminated and disposed of in accordance with current laboratory techniques (1,2).

Reference

1. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.
2. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.
3. The United States Pharmacopoeia, 2019, The United States Pharmacopoeial Convention. Rockville, MD.

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