TM 2282 – PHOSPHATE BUFFERED SALINE (PBS) pH 7.4

INTENDED USE
For preparation of dilution, blanks for the examination of samples from food, water and other specimens.

PRODUCT SUMMARY AND EXPLANATION
Phosphate Buffered Saline (PBS) pH 7.4 is prepared as recommended by BAM. It is used as a diluent and sample preparation of Vibrio species.

COMPOSITION

Ingredients	Gms / Ltr
Sodium chloride	7.650
Disodium phosphate, Anhydrous	0.724
Dipotassium hydrogen phosphate	0.210

PRINCIPLE
This medium consists of Monopotassium phosphate which act as a buffering agent and sodium carbonate in this medium act as a pH regulator.

INSTRUCTION FOR USE
- Dissolve 8.58 grams in 1000 ml purified/distilled water.
- Dispense in test tubes or flasks as desired.
- 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) : 7.4

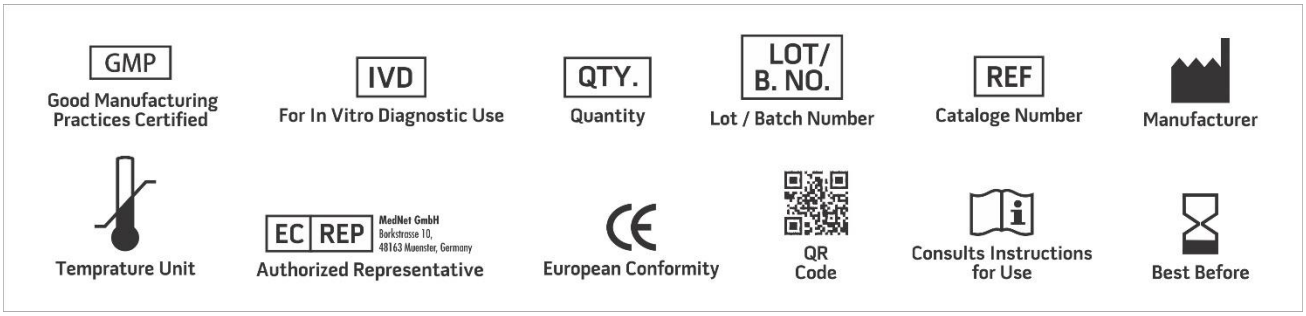
PACKAGING:
In pack size of 100 gm and 500 gm bottles.

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. E.L.Elliot,C.A.Kaysner,L.Jackson,M.L.Tamplin, V.cholerae, V.parahaemolyticus, V.vulnificus and other Vibrio spp. Bacteriological Analytical Manual, 8th Edition, 1995.
2. Baird R.B., Eaton A.D., and Rice E.W., (Eds.), 2015, Standard Methods for the Examination of Water and Wastewater, 23rd ed., APHA, Washington, D.C.
3. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

***For Lab Use Only**

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