Phosphate Buffered Saline, pH 7.2

Intended Use
Phosphate Buffered Saline, pH 7.2 is used for preparation of dilutions and blanks.

Summary
Phosphate Buffered Saline is used for preparing dilutions, blanks for the examination of waters, dairy products, foods, utensils and other specimens.

Principle
This solution gives a pH of 7.2 and also provides potassium, sodium and phosphate ions.

Formula*

Ingredients	**g/L**
Sodium chloride	8.5
Disodium hydrogen phosphate	1.91
Potassium dihydrogen phosphate	0.38
Final pH (at 25°C)	7.2 ± 0.2

*Adjusted to suit performance parameters.

Storage and Stability
Store dehydrated medium below 30°C in tightly closed container and the prepared medium at 2ºC-8°C. Avoid freezing and overheating. Use before expiry date on the label. Once opened keep powdered medium closed to avoid hydration.

Type of Specimen
Food and Dairy samples; Water and Wastewater samples

Specimen Collection and Handling
Ensure that all samples are properly labelled.
Follow appropriate techniques for handling samples as per established guidelines.
Some samples may require special handling, such as immediate refrigeration or protection from light, follow the standard procedure.
The samples must be stored and tested within the permissible time duration.
After use, contaminated materials must be sterilized by autoclaving before discarding.

Directions
1. Suspend 10.79 g of the powder in 1000 mL purified / distilled water.
2. Heat to boiling to dissolve the powder completely.
3. Sterilize by autoclaving at 115°C (10 psi) for 10 minutes as per validated cycle.

Quality Control
Dehydrated Appearance: Off - white to Creamish white, free-flowing, homogeneous powder.
Prepared Appearance: Colourless to light straw coloured, clear solution without any precipitate.

Performance and Evaluation
Performance of the product is dependent on following parameters as per product label claim:
1. Directions
2. Storage
3. Expiry

Warranty
This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

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.
2. Data on file: Microxpress®, A Division of Tulip Diagnostics (P) Ltd.

Product Presentation:

Cat No.	Product description	Pack Size
201160050100	Dehydrated Culture Media	100 g
201160050500	Dehydrated Culture Media	500 g