Microxpress® A Division of Tulip Diagnostics (P) Ltd.

Peptone Water

Intended Use
Peptone Water is a non-selective medium used for cultivating non-fastidious organisms.

Summary
Peptone Water is used for biochemical tests such as determining carbohydrate fermentation pattern which help in differentiation of genera and species. With the pH adjusted to 8.4 it is suitable for the cultivation and enrichment of *Vibrio cholerae*. Peptone Water may be modified by adding Andrade indicator and the test carbohydrate to detect the fermentation reaction.

Principle
Peptone provides the essential nutrients while sodium chloride maintains the osmotic equilibrium.

Formula*

Ingredients	g/L
Peptone	10.0
Sodium Chloride	5.0
Final pH (at 25°C)	7.2 ± 0.2

*Adjusted to suit performance parameters.

Directions
1. Bring the Peptone Water vial to the room temperature 22°C-30°C.
2. Use Peptone Water as per required application.

Quality Control
Appearance: Light yellow coloured, clear solution without any precipitate.
Cultural Response: Cultural characteristics observed after an incubation of 18-24 hours at 30°C-35°C.

Organism (ATCC)	Growth
Escherichia coli (25922)	Good
Salmonella enterica subsp. *enterica* serovar *Typhimurium* (14028)	Good
Staphylococcus aureus subsp. aureus (25923)	Good

Note: Inoculum cfu for good growth is 10 - 100.

Storage and Stability
1. Store the ready to use Peptone Water at 15°C-25°C in a cool, dry place away from light.
2. Stability of the kit is as per expiry date mentioned on the label.

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.

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

Product Presentation:

Cat. No.	Product Description	Pack Size
203160450005	Ready Prepared Tube	50 x 5 mL

Disclaimer
Information provided is based on our inhouse technical data on file, it is recommended that user should validate at his end for suitable use of the product.