

## 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/bottle 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)

*Escherichia coli* (25922)

*Salmonella enterica* subsp. *enterica* serovar *Typhimurium* (14028)

*Staphylococcus aureus* subsp. *aureus* (25923)

### Growth

Good

Good

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.**

203160450005  
203160450100

**Product Description**

Ready Prepared Tube  
Bottle Media

**Pack Size**

50 x 5 mL  
100 mL

 Temperature Limit	 Manufacturer	 Batch Code	 Date of Manufacture
 Catalogue Number	 Consult Instructions for use	 Use-by Date	 This way up

Revision: 0825/VER-03

**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.

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