

# Peptone Water

Liquid medium used to cultivate and for carbohydrate fermentation studies as well as perform the Indol test

## Formula in grams per liter:

Bacteriological Peptone

10,00 | Sodium Chloride

5,00

Final pH: 7,2 ± 0,2 at 25 °C

## Preparation:

Suspend 15 grams of the medium in one liter of distilled water. Dissolve the medium completely. Distribute into appropriate containers and sterilize in autoclave at 121°C (15 lbs sp) for 15 minutes.

## Uses:

Used for cultivation, fermentation studies of carbohydrates and to perform the indol test.

This formula, according to the CeNAN (National Center for Food and Nutrition), is recommended for the investigation of indol production in coliforms. A loopful from each tube of presumptive broth should be inoculated into Peptone Water and incubated at 44°C for 48 hours. Add Kovacs Reagent to determine indol production.

## Microbiological Tests:

Microorganisms	Growth
<i>Escherichia coli</i> ATCC 25922	Satisfactory
<i>Salmonella typhimurium</i> ATCC 14028	Satisfactory
<i>Staphylococcus aureus</i> ATCC 25923	Satisfactory

