



PEPTONE WATER

TM 330

INTENDED USE

General purpose growth medium and used as the base of carbohydrate fermentation media

COMPOSITION

Ingredients	Gms/Ltr
<i>Peptone</i>	10.000
<i>Sodium chloride</i>	5.000

PRODUCT SUMMARY AND EXPLANATION

Peptone Water is particularly suitable as a substrate in the study of indole production. Peptone Water is also utilized as a base for carbohydrate fermentation studies with the addition of sugar and indicators such as bromocresol purple, phenol red or bromothymol blue. Peptone Water is recommended (3,6,7) for studying the ability of an organism to ferment a specific carbohydrate which aid in differentiation of genera and species.

PRINCIPLE

Peptone provides nitrogenous and carbonaceous compounds, long chain amino acids, vitamins provides essential nutrients. Sodium chloride maintains the osmotic balance of the medium.

INSTRUCTION FOR USE

1. Dissolve 15.0 grams in 1000 ml distilled water.
2. Dispense in tubes with or without inverted Durhams tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes..

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Cream to yellow colour, homogeneous mixture, free flowing powder

Appearance of prepared medium : Light yellow colour, clear solution

pH (at 25°C): 7.2±0.2



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PRODUCT DATA SHEET

INTERPRETATION:

Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours

Microorganisms	ATCC	Inoculum (CFU/ml)	Growth	Indole test
<i>Staphylococcus aureus</i>	25923	50-100	Luxuriant	negative reaction, no red ring at the interface of the medium on addition of Kovac's reagent (TR008)
<i>Escherichia coli</i>	25922	50-100	Luxuriant	positive reaction, red ring at the interface of the medium on addition of Kovac's reagent (TR008)
<i>Salmonella Typhimurium</i>	14028	50-100	Luxuriant	negative reaction, no red ring at the interface of the medium on addition of Kovac's reagent (TR008)

STORAGE & STABILITY

Store between 10-30°C in a tightly closed container and the prepared medium at 15-25°C. Use before expiry date on the label. Store in dry ventilated area protected from extremes of temperature and sources of ignition Seal the container tightly after use.

REFERENCES

1. American Public Health Association, Standard Methods for the Examination of Dairy Products, 1978, 14th Ed., Washington D.C.
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. Finegold and Baron, 1986, Bailey and Scotts Diagnostic Microbiology, 7th ed., The C.V. Mosby Co., St. Louis.
4. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition
5. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.



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PRODUCT DATA SHEET

GMP
Certification of
Good Manufacturing Practices

QTY.
Quantity

**LOT/
B. NO.**
Lot / Batch Number


Temperature Unit


Best Before



REF
Catalogue No.


Consults Instructions for use :


Manufacturer

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