

Alkaline Peptone Water



Medium used for the cultivation and enumeration of *Vibrio* spp. from water and clinical samples.

• CONTENTS (Liter)

Peptone	10.0 g
Sodium Chloride	10.0 g
Final pH = 8.6 ± 0.2 at 25°C	

• PROCEDURE

Suspend 20.0 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Mix well. Pour into tubes.

• INTERPRETATION

Alkaline Peptone Water is a medium used for the cultivation and enumeration of *Vibrio* spp. from water and clinical samples. The high value of pH slows down the development of common contaminants so that *Vibrio* spp. can be cultivated effectively after 6 - 7 hours of incubation. Peptone provides the nitrogen and vitamin sources. Sodium chloride maintains the osmotic balance.

• TECHNIC

Inoculate the specimen with stab using a sterile needle to the medium. Incubate at 35 ± 2°C for 18 - 24 hours. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: light beige

Prepared medium

Appearance: clear to very slight opalescent

Color: light amber

Incubation conditions: 35 ± 2°C / 18 - 24 hours

Microorganism	ATCC	Inoculum CFU	Growth
<i>Vibrio parahaemolyticus</i>	17802	50-100	good

• STORE

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration are evident. Store prepared medium at 2 - 8°C.

• REFERENCES

1. APHA (1985) – Standard Methods for the Examination of Water Wastewater , 16th ed.
2. Benenson, A.S., Islam M.R. & Greenough, W.B. (1964) – Rapid identification of *Vibrio cholerae* by darkfield microscopy. Bull, WHO, 30, 827.

• PACKAGE

Cat. No : MB-A1098 Alkaline Peptone Water	500 G
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