



## **Product Data Sheet**

### **ALKALINE PEPTONE WATER (pH 8.6) (ISO 21872-1 & 2:2007)**

**Product No.** GB-DCM-00027-1A

#### **Product Description**

Alkaline Peptone Water is a pre-enrichment medium specially standardized for *Vibrio* species. The original formula of Alkaline Peptone Water was developed by Shread, Donovan and Lee to be used as an enrichment broth for the cultivation of *Aeromonas* species and Cruickshank reported that when the pH is increased, the medium can be used to cultivate *Vibrio* species. This medium is recommended by APHA for enrichment of *Vibrio* species from seafood, infectious materials and other Clinical samples like swabs and faeces in food and water samples can be added directly to the medium. A slight modification of this medium has recently been approved by the ISO Committee for detection of *Vibrio* species.

#### **Product Specifications**

<b>Ingredients</b>	<b>Gms / Ltr</b>
Sodium chloride	30.000
Peptic digest of animal tissue	20.000

#### **PRINCIPLE**

The peptic digest of animal tissue makes this media nutritious by providing amino acids and other nitrogenous substances for the growth of microorganisms. Sodium chloride maintains the osmotic balance.

#### **QUALITY CONTROL SPECIFICATIONS**

pH (at 25°C) : 8.6± 0.2

Appearance of Dehydrated powder: Cream to yellow colour, Homogeneous free flowing powder

Appearance of Prepared medium: Light yellow colour, clear solution without any precipitate



Microorganism	ATCC	Inoculum (CFU)	Growth	Recovery	Incubation Temperature	Incubation Period
Vibrio cholerae	15748	50-100	Luxuriant	>=70%	35 - 37°C	18-24 Hours
Vibrio parahaemolyticus	17802	50-100	Luxuriant	>=70%	35 - 37°C	18-24 Hours

### STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers below 25°C and protect from direct Sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

### DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

### INSTRUCTION FOR USE

- Dissolve 50 grams in 1000ml distilled water.
- Gently heat to boiling with swirling to dissolve the medium completely.
- Dispense in tubes.
- Sterilize by autoclaving at 15 psi (121oC) for 15 minutes.
- Cool to 45-50°C before use.

**This product is for research use only.**