OXALIS Diagnostics Pvt. Ltd.

Technical Data

Alkaline Peptone Water. 100 g / 500 g

Used for enrichment of Vibrio species from food, water and clinical and non- clinical samples and for biochemical identification a pure culture.

Product Presentation:

Cat No.	Product description	Pack Size
11010010100	Alkaline Peptone Water	100 Gram
11010010500	Alkaline Peptone Water	500 Gram

Principle

Alkaline Peptone Water is a broth medium for the enrichment of Vibrio species from food, water and clinical samples. Alkaline Peptone Water is a modification of peptone water with the pH adjusted to 8.4. Peptone provides nitrogen and carbon source, long chain amino acids, vitamins and other essential nutrients. The 1.0 % (w/v) sodium chloride incorporated in this medium promotes the growth of Vibrio cholerae, while the alkalinity of this medium inhibits most of the unwanted background flora. The Alkaline Peptone Water medium can be used to effectively cultivate Vibrio species. It is a suitable enrichment broth for this purpose.

Composition

Ingredients	Grams / Litre
Peptone	10.00
Sodium Chloride	10.00

Final pH (at 25°C) 8.4±0.2

*Formula adjusted, standardized to suit performance parameters

Type of specimen

Food, water and pharmaceutical samples, clinical and non-clinical samples etc.

Specimen Collection and Handling

Ensure that all samples are properly labeled. Follow appropriate techniques for handling samples as per established guidelines. Some samples may require special handling, such as immediate refrigeration or protection from light, follow the standard procedure. The samples must be stored and tested within the permissible time duration. After use, contaminated materials must be sterilized by autoclaving before discarding.

Directions

- ✓ Suspend 20.00 g of powder in 1000 mL distilled water.
- ✓ Mix thoroughly.
- ✓ Boil to dissolve the medium completely.
- ✓ Dispense as required.
- ✓ Sterilize by autoclaving 121°C for 15 minutes or as per validated cycle.

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Storage and Stability

- ✓ Store Dehydrated culture media in cool, dry place at 10°C-30°C away from direct light.
- ✓ Store prepared medium at 2°C-8°C. Avoid freezing and overheating. Use before expiry date on the label. Once opened keep powdered medium closed to avoid hydration.

Quality Control

Dehydrated Appearance: Beige colored free flowing, homogeneous powder
Prepared Appearance: Pale Yellow color clear solution.

Growth Promotion Test: Growth promotion test is done after incubation at 35-37°C for 18-48 hours.
Cultural Response :

Organism	Type Culture	Growth	Incubation Temperature	Incubation Period
Vibrio cholerae	ATCC 15748	Good	35-37°C	18-48 Hours

Interpretation of Results

Examine the tubes after completion of incubation period.
Growth in tubes is indicated by turbidity.

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.

Disposal

Disposal of infectious material and material that comes in to contact with clinical sample must be decontaminated and dispose of by autoclaving or incineration or established laboratory procedures.
User must be ensure safe disposal of used or unusable preperation of the products.

Reference

1. Atlas, R. M. (2005). *Handbook of media for environmental microbiology*. CRC press.
2. *Difco Manual* (1998). 11th Edition. Difco Laboratories., Division of Becton Dickinson and Company, Sparks, Maryland, USA.

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