PRODUCT INFORMATION

Buffered Peptone Water (ISO)

Cat. No. B02-130

YOUR MEDIA IS OUR CULTURE

ALPHA BIOSCIENCES

Date of Issue:
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DESCRIPTION

Buffered Peptone Water (ISO) is used for pre-enriching damaged Salmonella sp. form various food sources. As Salmonella may be present in low numbers and/or sub-lethally injured, pre-enrichment allows the cells time to repair and multiply before being introduced to selective culture, thereby improving the chances of recovery from the sample.

Formula* per Liter:

Enzymatic Digest of Casein	3.34g
Yeast Extract	6.66g
Sodium Chloride	5.0g
Disodium Phosphate	3.5g
Monopotassium Phosphate	1.5g

Final pH: 7.0 ± 0.2 at 25°C

* *Grams per liter may be adjusted or formula supplemented to obtain desired*

PREPARATION

Mix 36.1 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Autoclave at 121°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing, and light beige in color.
2. Visually, the prepared medium is clear and pale yellow.
3. Expected cultural response after 18-24 hours at 35°C ± 2°C.

Organism:	**Result:**
Escherichia coli ATCC 25922	Growth
Salmonella enteritidis ATCC® 13076	Growth
Salmonella typhi ATCC® 19430	Growth
Salmonella typhimurium ATCC® 14028	Growth

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.

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