

PRODUCT INFORMATION

Buffered Peptone water (ISO) 2.0

Cat. No. B02-137

DESCRIPTION

Buffered Peptone Water (ISO) is used for pre-enriching damaged *Salmonella* sp. from 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 (g/L)

Enzymatic Digest of Casein	3.34 g	Yeast Extract	6.66 g
Sodium Chloride	5.00 g	Disodium Phosphate	3.50 g
Monopotassium Phosphate	1.50 g		

Final pH: 7.0 ± 0.2 at 25 °C

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

PREPARATION

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

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, 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.

ORGANISM	RESULT
<i>Escherichia coli</i> ATCC 25922	Good Growth
<i>Salmonella enteritidis</i> ATCC 13076	Good Growth
<i>Salmonella typhi</i> ATCC 19430	Good Growth
<i>Salmonella typhimurium</i> ATCC 14028	Good 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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