

Use and description:

A pre-enrichment medium design to recovery of sublethally damaged salmonellae before introducing them into a selective medium. Use as a pre-enrichment medium for the isolation of *Salmonella* spp. from various food sources.

Composition per liter:

Peptone..... .10.0 g
Sodium chloride.....5.0 g
Disodium hydrogen phosphate.....3.5 g
Potassium dihydrogen phosphate..... ..1.5 g

Final pH of the ready to use medium: 7.0-7.2 ± 0.2

Medium preparation:

Add 20.0 grams of dehydrated culture medium to 1 liter of distilled water. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121.0°C for 15 minutes.

Quality specifications:

Dehydrated medium: homogeneous, light beige fine powder.
Ready to use medium: clear and pale yellow.

Microbiological response:

Organism	Result
<i>Escherichia coli</i> ATCC 25922	Growth
<i>Salmonella typhimurium</i> ATCC 14028	Growth

Storage:

Dehydrated medium should be stored between 10 to 25°C. Once opened, place the container in a dark, dry place. The dehydrated medium should not be used if there is any lump or if the color has changed from the original.