

Actero™ Buffered Peptone Water Product Information

Catalogue No.	Description
FCM-066	Actero™ Buffered Peptone Water (500 G)
FCM-065	Actero™ Buffered Peptone Water (2 KG)
FCM-064	Actero™ Buffered Peptone Water (10 KG)

INTENDED USE:

Buffered Peptone Water is used for pre-enriching damaged *Salmonella* spp. from various food sources. Edel and Kampelmacher¹ noted that food preservation techniques such as heat, desiccation, preservatives, high osmotic pressures or pH changes can cause sub-lethal injury to *Salmonella* Microorganisms. Pre-enrichment with Buffered Peptone Water allows for repair of cell damage by maintaining a high pH over the pre-enrichment period. The high pH capacity is especially useful for vegetable samples which have a low buffering capacity.

Formula* per Liter:

Pancreatic Digest of Gelatin.....10.0g
Disodium Phosphate.....3.5g
Sodium Chloride.....5.0g
Monopotassium Phosphate.....1.5g
Final pH: 7.2 ± 0.2 at 25°C

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

PREPARATION:

Mix 20 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.

TERMS AND CONDITIONS:

Salus Scientific Inc. makes no representations and warranties concerning its products other than those stated herein. All Product(s) delivered hereunder by Salus Scientific Inc., its affiliates or any other person on its behalf shall, at the time of delivery, be manufactured to meet Salus Scientific Inc.'s specifications and all applicable laws. All other terms, conditions and warranties, including any warranty of merchantability, quality, fitness or suitability for a particular or intended purpose, implied by common law or statute, (implied warranties) are expressly excluded.

FOR FURTHER INFORMATION, PLEASE CONTACT:

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QUALITY CONTROL SPECIFICATIONS:

1. The powder is homogeneous, free flowing and light beige.
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	Growth
<i>Salmonella enteritidis</i> ATCC® 13076	Growth
<i>Salmonella</i> Typhimurium ATCC® 14028	Growth

Storage Instructions:

On receipt, 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 light beige.

References:

1. Edel, W., and E. H. Kampelmacher. 1973. Bull. World Health. Org. 48:167-174.