



Actero™ Buffered Peptone Water (ISO) Product Information

Catalogue No.	Description
FCM- 148	Actero™ Buffered Peptone Water (ISO) (500 G)
FCM- 147	Actero™ Buffered Peptone Water (ISO) (2 KG)
FCM- 146	Actero™ Buffered Peptone Water (ISO) (10 KG)

INTENDED USE

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* per Liter:

Casein Peptone.....10.0g
Disodium Phosphate.....3.5g
Sodium Chloride5.0g
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 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. Distribute and autoclave at 121°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing, and beige.
2. Visually the prepared medium is gold to amber and clear to trace hazy.
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 typhi</i> ATCC® 19430	Growth
<i>Salmonella typhimurium</i> ATCC® 14028	Growth

Storage Instructions:

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 color.

