



| <u>FSI Catalogue No.</u> | <u>VWR Catalogue No.</u> | <u>Description</u> |
|--------------------------|--------------------------|---|
| FCM-037 | 89522-690 | Actero™ MediaBox™ Buffered Peptone Water (5 Liter) |
| FCM-038 | 89522-692 | Actero™ MediaBox™ Buffered Peptone Water (10 Liter) |
| FCM-039 | 89522-694 | Actero™ MediaBox™ Buffered Peptone Water (20 Liter) |

Actero™ MediaBox™ Buffered Peptone Water (BPW): Ready to Use for the non-selective enrichment of contaminating bacteria, such as *Salmonella species* from food. Food Ingredients and Environmental Swab Samples prepared in accordance with the ISO specification.

INTENDED USE

MediaBox BPW is a non-selective broth used for the initial enrichment of contaminating bacteria e.g. *Salmonella species* from foods, food ingredients and environmental surfaces. **MediaBox BPW is not intended for Clinical or veterinary use.**

SUMMARY & EXPLANATION

This medium was developed to facilitate the non-selective enrichment of *Salmonella species* and other bacteria.

Storage Instructions: On receipt, store the MediaBox at room temperature 15 - 25°C.

Composition (in g/L):

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

PROCEDURE FOR MEDIABOX:

Materials not provided: Ancillary tubing and connectors required can be purchased separately, see list of accessory tubing and connectors itemized later in the instructions for use.

Instructions: Observe aseptic techniques. Stand the MediaBox with the Cap and dispensing tube facing up. Connect the dispensing tubing to the pump or dilutor you will use to control dispensing of the broth.

Remove the sterile caps from both the dispensing tube attached to the MediaBox and the dispensing tubing now attached to your pump or dilutor. Connect the two pieces to permit flow of the broth into your dispensing tubing. Turn the MediaBox on its side with the dispensing cap and tubing toward

the bottom of the MediaBox on the bench. Turn on your pump or dilutor and commence dispensing the broth into blender bags, bottles, tubes or other suitable vessels.

To enrich *Salmonella species* from a food sample, food ingredient or environmental swab, consult FDA:BAM, Health Canada Compendium of Methods or any other appropriate reference.

User Quality Control:

1. Examine initial dispensed BPW from the MediaBox to confirm that the liquid is not cloudy, as this could indicate bacteria contamination in the MediaBox.
2. Inspect the MediaBox upon receipt for any signs of dampness on the outer box as this could indicate leakage of broth during transport.

RESULTS

After initial enrichment of samples spiked with *Salmonella species* at low concentrations (less than 10 cfu) for 24 hours at 35°C ± 2°C streak 10-20µl of the sample onto a suitable chromogenic agar plate. The plates should show isolated colonies in streaked areas and confluent growth in areas of heavy inoculation.

For the isolation of *Salmonella species* and other bacteria from food, food ingredients, air, water or other materials consult the FDA: BAM, Health Canada Compendium of Methods or any other appropriate reference.

LIMITATIONS OF THE PROCEDURE

This ready to use broth is intended for primary enrichment. Further selective enrichment in a selective broth and or on a selective agar plate would be required to isolate a pure culture.

