FoodChek™
Food safety, simplified.

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FSI Catalogue No.	VWR Catalogue No.	Description
FCM-115		Actero™ MediaBox™ UVM1 Complete Media(5 Liter)
FCM-116		Actero™ MediaBox™ UVM1 Complete Media (10 Liter)
FCM-117		Actero™ MediaBox™ UVM1 Complete Media (20 Liter)

MediaBox UVM1 Complete Media is Ready-to-Use for Enrichment of *Listeria species* from Food, Food Ingredients and Environmental Swab Samples

INTENDED USE

MediaBox UVM1 Complete Media is a partially selective broth used for the initial enrichment of *Listeria monocytogenes* and other *Listeria sp.* from foods, food ingredients and environmental surfaces. **MediaBox UVM1 Complete Media is not intended for Clinical or veterinary use.**

SUMMARY & EXPLANATION

This medium was developed to facilitate the selective enrichment of *Listeria monocytogenes* and other Listeria species.

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

Composition (in gm/L):

Casein Digest of Peptone……..5.0g
Peptic Digest of Animal Tissue.....5.0g
Yeast Extract……..5.0g
Beef Extract…….....5.0g
Monopotassium Phosphate.....1.35g
Acriflavin, HCl…….. .0.012g
Sodium Chloride……..20.0g
Disodium Phosphate……..12.0g
Esculin…….. 1.0g
Naladixic Acid……..0.02g
Final pH: 7.4 ± 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 at the top.
Set-up your dispensing tubing by connecting it to a pump or dilutor you will to use for controlled dispensing of the broth.
Have your sterile connecting tubing with suitable connector ready to link to the MediaBox. Remove the sterile caps from both the dispensing tube attached to the MediaBox and the sterile connector stopper to your dispensing tubing. 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 Listeria 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 broth 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 the initial enrichment of samples spiked with low concentrations of *Listeria species,* (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 *L. monocytogenes* and other *Listeria sp.* from food, food ingredients, air, water or other materials consult 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.