



<u>FSI Catalogue No.</u>	<u>VWR Catalogue No.</u>	<u>Description</u>
FCM-033	89522-682	Actero™ MediaBox™ Phosphate Buffer (5 Liter)
FCM-034	89522-684	Actero™ MediaBox™ Phosphate Buffer (10 Liter)

MediaBox Phosphate Buffer (PB): Ready to Use for the dilution of Food and Food Ingredient Samples

INTENDED USE

MediaBox PB is a Phosphate buffer solution used for the initial dilution of food and food ingredients prior to microbiological analysis. **MediaBox PB is not intended for Clinical or veterinary use.**

SUMMARY & EXPLANATION

This diluent was specifically developed to facilitate the dilution of food and food ingredient samples prior to quantitative microbiological analysis.

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

Preparation / Composition (in g/L):

Potassium Di-hydrogen Phosphate 26.22g/L & Sodium Carbonate 7.78g/L powder is prepared as a 34g/L stock solution. 1.25ml of the stock solution is added per liter of the buffer. The final solution has a pH in the range 7.2 ± 0.2.

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 intend to use to control 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 perform quantitative dilution analysis from a food sample or food ingredient consult FDA:BAM or any other appropriate reference.

User Quality Control:

1. Examine initial dispensed PB 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.

LIMITATIONS OF THE PROCEDURE

This ready to use buffer is intended for dilution of food samples only. Primary enrichment and further selective enrichment in a selective broth and or on a selective agar plate would be required to isolate a pure culture.

