

Actero™ MediaBox™ Butterfields Phosphate Diluent (BPD) Product Information

Catalogue No.	VWR Catalogue No.	Description
FCM-035	89522-686	Actero™ MediaBox™ Butterfields Phosphate Diluent (5 Liter)
FCM-036	89522-688	Actero™ MediaBox™ Butterfields Phosphate Diluent (10 Liter)

INTENDED USE:

MediaBox™ BPD is a Phosphate buffer solution used for the initial dilution of food and food ingredients prior to microbiological analysis. **MediaBox™ BPD 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 26.22 g/L & Sodium Carbonate 7.78 g/L powder is prepared as a 34 g/L stock solution. 1.25 mL of the stock solution is added per liter of the buffer. Magnesium Chloride is prepared as an 81.1 g/L stock solution and 5 mL of that stock is also added per liter of the buffer. The final solution has a pH in the range of 7.2 ± 0.2.

PROCEDURE FOR MEDIABOX:

Materials not provided: Ancillary tubing and required connectors can be purchased separately. See the list of accessory tubing and connectors later itemized 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 the 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.

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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USER QUALITY CONTROL:

1. Examine the initial dispensed BPD 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. 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.