

# MediaBox™ Instructions for Use



## Introduction:

MediaBox delivers bulk sterile ready to use broths and buffers in volumes of 5, 10 & 20L. MediaBox is ideal for busy microbiology laboratories which have little time or space available to add media preparation to their daily task list.

It is designed to be drained either with a dilutor/dispenser attached or by gravity.

## Dilutor/Dispenser Procedure:

Observe aseptic techniques. Stand the MediaBox with the cap and dispensing tube at the top. 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 on your dispenser 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 ingredients consult FDA:BAM or any other appropriate reference.



## Gravity Dispensing Procedure:

MediaBox media can also be dispensed using gravity feed if a dilutor / dispenser is not available. Observe aseptic techniques and perform in a sterile airflow hood if available. Turn the MediaBox on its side with the dispensing cap and tubing toward the bottom of the MediaBox on the bench. Have your blender bags, bottles, tubes or other suitable vessels ready to fill. Pinch the connector tube with your fingers or a clamp, remove the end plug from the connector and start filling your bags, bottles or tubes. You can modify or stop the flow of broth or buffer using a pinch with your fingers or a clamp. As the MediaBox is draining you will find you have to elevate the back of the box to maximize the volume available for dispensing. You can achieve this by holding the back of the box up to create an angle or by placing an angled block to hold the box in the tilted position to best maximize the volume of broth or buffer you can easily dispense from the MediaBox (see pictures below).

To perform quantitative dilution analysis from a food sample or food ingredients consult FDA:BAM or any other appropriate reference.

## Materials not provided:

Ancillary tubing, connectors, plastic clamps and an angle tool to elevate the back of the box for maximum use of the broth or buffer available inside the MediaBox are available and can be purchased separately.

## 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.

**Procedural Limitations:** 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.

**Storage Instructions:** MediaBox is stored at room temperature.

It is possible to refrigerate MediaBox bladders, but it is recommended to remove the cardboard which sweats in colder environments.

**Stacking Instructions:** MediaBox 20L should be only stacked 4 boxes high. MediaBox in 10L and 5L formats can be stacked 5 boxes high.

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