



## Actero™ Multiplex (SA/EC/SAL) Enrichment Media – EZ-Media Bag Product Information

Catalogue No.	Description
FCM- 278	Actero™ Multiplex (SA/EC/SAL) Enrichment Media (20 L) – EZ-Media Bag
FCM- 279	Actero™ Multiplex (SA/EC/SAL) Enrichment Media (5 L) – EZ-Media Bag

### INTENDED USE:

Actero Multiplex Enrichment Media consists of a growth medium, specifically optimized for the enrichment of *Staphylococcus spp.*, *E. coli* and *Salmonella spp.* from food and environmental samples.

**Storage Instructions:** On receipt, store the EZ-Media Bag at room temperature 15 - 25°C.

**Final pH:** 7.2 ± 0.2 at 25°C

### PREPARATION:

**Materials not provided:** The required ancillary tubing and connectors can be purchased separately.

**Instructions:** Observe aseptic techniques from media preparation through to dispensing. Remove the Actero™ EZ-Media Dry Bag from its packaging, unfold and lay it flat on the bench with tubing and caps facing up. There are two tubes on the Actero™ EZ-Media Dry Bag with red caps. The “in” port does not have a connector and the “out” port has a male connector to ensure sterility while the media is being prepared and later dispensed.

Aseptically remove the sterile filter from its separate bag. The filter has 2 male ends and there is an arrow on the filter to indicate the “in” and “out”. Connect the “in” end of the filter nozzle to the pump or dilutor tubing (used for adding the deionized water to the Actero™ EZ-Media Dry Bag). We recommend securing this connection with a tie wrap or zip tie (not provided).

Next, remove the sterile cap from the “in” tube (without connector) attached to the Actero™ EZ-Media Dry Bag and connect it to the other end of the filter nozzle to permit the flow of deionized water into your tubing. Loosen the vent valve on the filter and slowly begin to fill the filter capsule with the deionized water so that the liquid reaches the level of the vent. As soon as all excess air escapes the capsule and the deionized water reaches the level of the vent, tighten the vent valve to close it. Then, gradually increase the flow rate or pressure of the pump or dilutor to the desired value (maximum flow rate: 350mL/min/0.1bar; maximum operating pressure: 4.1 bar).

Turn off your pump or dilutor when the corresponding volume of water (5L or 20L) has been added to the Actero™ EZ-Media

Dry Bag. Remove the Actero™ EZ-Media Dry Bag tube from the filter nozzle and replace the cap on the tube end. Gently massage the Actero™ EZ-Media Dry Bag until the media is completely dissolved. The prepared media in the Actero™ EZ-Media Dry Bag can be stored up to 7 days at room temperature on the bench.

**The supplied filter is intended to be used only once** or, if necessary, when rehydrating several bags within a short amount of time, as long as the manipulation is done aseptically. Otherwise, disconnect the filter from the pump or dilutor tubing and allocate the filter for biohazard waste disposal according to local, municipal, provincial, state and/or federal regulations. Ensure that all biohazard waste is disposed of according to local, municipal, provincial, state and/or federal regulations.

When ready to use the prepared media, remove the cap from the “out” tube (with connector) on the Actero™ EZ-Media Dry Bag, aseptically connect it to your dispensing pump and dispense the appropriate volume into your sample bags. You can directly connect the dispensing pump tubing to the connector or use the female adapter available at FoodChex Systems Inc available under catalog number FCLM-028.

### DISPOSAL:

Dispose all materials used and the enrichment medium by autoclaving or according to approved practices. Ensure that all biohazard waste is disposed of according to local, municipal, provincial, state and/or federal regulations.

### PRECAUTIONS:

Biosafety level 2 procedures should be exercised (<https://www.cdc.gov/labs/BMBL.html>). Extreme care should be taken in handling test samples and enrichment broths. All enrichment broths may contain various pathogens.

### TERMS AND CONDITIONS:

FoodChex Systems Inc. makes no representations and warranties concerning its products other than those stated herein. All Product(s) delivered hereunder by FoodChex Systems Inc., its affiliates or any other person on its behalf shall,





at the time of delivery, be manufactured to meet FoodChek Systems 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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**QUALITY CONTROL SPECIFICATIONS:**

1. The powder is homogeneous and beige.
2. Visually the prepared medium is light to medium amber and clear.
3. Expected cultural response after 18-24 hours at 37°C.

<b>Organism</b>	<b>Result</b>
<i>Escherichia coli</i> ATCC® 25922	Growth
<i>Staphylococcus aureus</i> ATCC® 25923	Growth
<i>Salmonella</i> Typhimurium ATCC® 14028	Growth

