

## Actero™ Modified EC Medium Product Information

Catalogue No.	Description
<b>FCM-096</b>	Actero™ Modified EC Medium (500 G)
<b>FCM-095</b>	Actero™ Modified EC Medium (2 KG)
<b>FCM-094</b>	Actero™ Modified EC Medium (10 KG)

### INTENDED USE:

Modified EC Medium is used with the addition of novobiocin for the pre-enrichment of *E. coli* 0157:H7. The modification within this medium is a reduction of Bile Salts #3 in relation to the standard EC Medium developed by Hajna and Perryl. It remains a buffered lactose broth containing bile salts to inhibit gram-positive bacteria and spore-forming microorganisms but also contains novobiocin which is found to be beneficial in the enrichment and detection of *E. coli* 0157:H7.

### Formula\* per Liter:

Casein Digest of Peptone .....	20.0g
Sodium Chloride .....	5.0g
Monopotassium Phosphate.....	1.5g
Lactose .....	5.0g
Bile Salts Mixture .....	1.12g
Dipotassium Phosphate .....	4.0g
Novobiocin.....	0.02g

**Final pH: 6.9 ± 0.2 at 25°C**

\* Grams per liter may be adjusted or formula supplemented to obtain the desired performance.

### PREPARATION:

Mix 36.6 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Distribute into test tubes containing inverted fermentation Durham tubes and autoclave at 121.0°C for 15 minutes.

### 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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### QUALITY CONTROL SPECIFICATIONS:

1. The powder is homogeneous, free-flowing, and light beige.
2. Visually the prepared medium is light to medium gold, brilliant to clear.
3. Expected cultural response after 18-24 hours at 44.5°C.

Organism	Result
<i>Escherichia coli</i> ATCC® 35150	Growth
<i>Enterococcus faecalis</i> ATCC® 29212	Inhibition
<i>Escherichia coli</i> ATCC® 43894	Growth
<i>Escherichia coli</i> ATCC® 43895	Growth

### Storage Instructions:

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing, or if the color has changed from the original light beige color.