

# PRODUCT INFORMATION

## Eosin Methylene Blue Agar

Cat. No. E05-102



**ALPHA**<sup>™</sup>  
BIOSCIENCES

Date of Issue:  
10/01/17

### DESCRIPTION

Eosin Methylene Blue Agar is used for the detection of Enterobacteriaceae.

### PREPARATION

Mix 36 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Distribute and autoclave at 121° C for 15 minutes.

#### Formula\* per Liter:

Pancreatic Digest of Gelatin.....	10.0g
Lactose .....	5.0g
Sucrose .....	5.0g
Dipotassium Phosphate .....	2.0g
Eosin Y.....	0.4g
Methylene Blue .....	0.065g
Agar .....	13.5g

**Final pH:** 7.2 ± 0.2 at 25°C

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

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and faint reddish purple.
2. Visually the prepared medium is trace to light haze and reddish to bluish purple.
3. Expected cultural response after 18-24 hours at 35°C.

#### Organism:

*Enterococcus faecalis* ATCC® 29212  
*Escherichia coli* ATCC® 11775  
*Escherichia coli* ATCC® 35218  
*Salmonella typhimurium* ATCC® 14028

#### Result:

Partially Inhibited-Colorless colonies  
Blue/black colonies- Green metallic sheen  
Blue/ black colonies- Green metallic sheen  
Colorless colonies

### STORAGE

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 color.