

PRODUCT INFORMATION

Your Smarter Culture Media Choice



Bile Esculin Agar Cat. No. B02-106

Date of issue
12/2/2015

DESCRIPTION

Bile Esculin Agar is used for isolating and presumptively identifying Group D streptococci.

Formula* per Liter:

| | |
|------------------------------------|-------|
| Beef Extract | 11.0g |
| Pancreatic Digest of Gelatin | 33.0g |
| Oxbile | 3.5g |
| Esculin | 1.0g |
| Ferric Ammonium Citrate..... | 0.5g |
| Agar | 15.0g |

Final pH: 6.6 ± 0.2 at 25°C

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

PREPARATION

Mix 64 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Distribute and autoclave at 121.0° C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing, and light beige.
2. Visually the prepared medium is trace to light haze and grayish yellow, opalescent.
3. Expected cultural response after 18 to 24 hours at 35°C

| Microorganisms | Approx Inoculum (CFU) | Growth | Reaction |
|-----------------------------------|-----------------------|-----------|----------------|
| Enterococcus faecalis ATCC 19433 | 10-300 | Good | Black colonies |
| Enterococcus faecalis ATCC 29212 | 10-300 | Good | Black colonies |
| Enterococcus faecalis ATCC 33186 | 10-300 | Good | Black colonies |
| Escherichia coli ATCC 25922 | 10-300 | Good | - |
| Streptococcus pyogenes ATCC 19615 | 10-300 | Inhibited | - |

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 light beige.