

PRODUCT INFORMATION

Bile Esculin Agar

Cat. No. B02-106



Date of Issue:
10/01/17

DESCRIPTION

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

PREPARATION

Mix 64 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121°C for 15 minutes

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.

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 18-24 hours at 35°C.

| Microorganisms | Growth | Reaction |
|---|-----------|-------------------------|
| <i>Enterococcus faecalis</i> ATCC® 19433 | Good | Black colonies |
| <i>Enterococcus faecalis</i> ATCC® 29212 | Good | Black colonies |
| <i>Enterococcus faecalis</i> ATCC® 33186 | Good | Black colonies |
| <i>Escherichia coli</i> ATCC® 25922 | Good | Colorless no blackening |
| <i>Streptococcus pyogenes</i> ATCC® 19615 | 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 color.