

PRODUCT INFORMATION

mEI Agar

Cat. No. M13-140



ALPHA[™]
BIOSCIENCES

Date of Issue:
10/01/17

DESCRIPTION

mEI Agar is a medium used for the differential identification of *Enterococcus*. The product conforms to the USEPA Approved Method 1600.

PREPARATION

Mix 72 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil to dissolve completely. Distribute solution and autoclave at 121°C for 15 minutes. Cool medium to 50°C in a water bath. Add nalidixic acid solution at a concentration of 0.24g/L and triphenyl tetrazolium chloride solution at a concentration of 0.02g/L.

Formula* per Liter:

Gelatin Peptone	10.0g
Sodium Chloride	15.0g
Yeast Extract	30.0g
Esculin	1.0g
Cycloheximide	0.05g
Sodium Azide.....	0.15g
Indoxyl-B-D-Glucoside	0.75g
Agar	15.0g

Final pH: 7.1 ± 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 beige.
2. Visually the prepared medium is opalescent and grayish beige with slight to moderate haze
3. Expected cultural response after 18-24 hours at 41°C.

Organism:

Enterococcus faecalis ATCC® 19433
Enterococcus faecalis ATCC® 29212
Enterococcus faecalis ATCC® 33186
Escherichia coli ATCC® 25922
Pseudomonas aeruginosa ATCC® 27853
Staphylococcus aureus ATCC® 25923

Result:

Growth, blue halo
Growth, blue halo
Growth, blue halo
Partial to complete inhibition
Complete inhibition
Complete inhibition

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.

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