

PRODUCT INFORMATION

mEI Agar

Cat. No. M13-140

DESCRIPTION

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

FORMULA (g/L)

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

Final pH: 7.1 ± 0.2 at 25 °C

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

PREPARATION

Mix 71.95 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. Cool medium to 50 °C in a water bath. Add nalidixic acid solution at a concentration of 0.24 g/L and triphenyl tetrazolium chloride at a concentration of 0.02 g/L.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, 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	RESULT
<i>Enterococcus faecalis</i> ATCC 19433	Good Growth – Blue halo
<i>Enterococcus faecalis</i> ATCC 29212	Good Growth – Blue halo
<i>Enterococcus faecalis</i> ATCC 33186	Good Growth – Blue halo
<i>Escherichia coli</i> ATCC 25922	Partial to complete inhibition
<i>Pseudomonas aeruginosa</i> ATCC 27853	Complete inhibition
<i>Staphylococcus aureus</i> ATCC 25923	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 from the original color.