

PRODUCT INFORMATION

m-Endo Agar, LES

Cat. No. M13-124

DESCRIPTION

m-Endo Agar, LES is used for enumerating coliforms in water by membrane filtration.

FORMULA (g/L)

Enzymatic Digest of Casein	14.9 g	Sodium Sulfite	1.6 g
Yeast Extract	1.2 g	Sodium Doxycholate	0.1 g
Lactose	9.4 g	Sodium Lauryl Sulfate	0.05 g
Dipotassium Phosphate	3.3 g	Sodium Chloride	3.7 g
Monopotassium Phosphate	1.0 g	Agar	15.0 g
Basic Fuchsin	0.8 g		

Final pH: 7.2 ± 0.2 at 25 °C

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

PREPARATION

Mix 51 grams of the medium in 980 mL of purified water and 20 mL of 95% ethanol until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. DO NOT AUTOCLAVE.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and medium purple.
2. Visually the prepared medium is trace to slight hazy and pink.
3. Expected cultural response after 18-24 hours at 35 °C.

ORGANISM	RESULT
<i>Escherichia coli</i> ATCC 25922	Good Growth – Red w/ or w/o metallic sheen
<i>Enterobacter aerogenes</i> ATCC 13048	Good Growth – Red w/ or w/o metallic sheen
<i>Salmonella typhimurium</i> ATCC 14028	Good Growth – Pink w/o metallic sheen
<i>Staphylococcus aureus</i> ATCC 25923	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.

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