

PRODUCT INFORMATION

m Endo Agar, LES

Cat. No. M13-124



Date of Issue:
10/01/17

DESCRIPTION

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

PREPARATION

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

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, 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.

Formula* per Liter:

Enzymatic Digest of Casein	14.9g
Yeast Extract.....	1.2g
Lactose.....	9.4g
Dipotassium Phosphate	3.3g
Monopotassium Phosphate.....	1.0g
Basic Fuchsin.....	0.8g
Sodium Sulfite	1.6g
Sodium Deoxycholate	0.1g
Sodium Lauryl Sulfate	0.05g
Sodium Chloride.....	3.7g
Agar.....	15g

Final pH: 7.2 ± 0.2 at 25°C

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

Organisms	Approx. Inoculum (CFU)	Growth	Reaction
<i>Escherichia coli</i> ATCC® 25922	10-100	Good to Excellent	Red with or without metallic sheen
<i>Salmonella typhimurium</i> ATCC® 14028	10-100	Good to Excellent	Pink without metallic sheen
<i>Staphylococcus aureus</i> ATCC® 25923	>1000	Inhibited	N/A

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 purple color.