

PRODUCT INFORMATION

Product Type: LD506 - 50 mm DISHES

Cat No. LD506 - M-ENDO AGAR LES

Intended Use:

m-ENDO Agar LES is a medium for the enumeration of coliforms in water used in the Standard Total Coliform Membrane Filter Procedure in the Standard Methods for the Examination of Water and Wastewater. It follows the two-step membrane filter procedure using Lauryl Sulfate Broth as a preliminary enrichment, resulting in higher coliform counts.

Mode of Action:

Growth of coliform bacteria is promoted by the selection of versatile nutrient bases. The accompanying flora is inhibited by lauryl sulfate and deoxycholate. Lactose-positive colonies are colored red due to the liberation of fuchsin from fuchsin-sulfite compound; E. coli colonies have a metallic sheen.

Formulation g/L

Yeast extract	1.2 g/L
Casein Hydrolysate	3.7 g/L
Peptone From Meat	3.7 g/L
Tryptose	7.5 g/L
Lactose	9.4 g/L
Di-Potassium Hydrogen Phosphate	3.3 g/L
Potassium Hydrogen Phosphate	1.0 g/L
Sodium Chloride	3.7 g/L
Sodium Deoxycholate	0.1 g/L
Sodium Lauryl Sulfate	0.05 g/L
Sodium Sulfite	1.6 g/L
Pararosaniline (Fuchsin)	0.8 g/L
Agar	15.0 g/L
Ethanol (alcohol absolute)	20 ml/L

Storage: 2-8 °C Darkness

Final pH: 7.2 ± 0.2 at 25 °C

Appearance: light pink

Warning and Precautions

For professional use only. Follow good microbiological lab practices while handling specimens and culture. Do not use Petri dishes if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Avoid freezing and overheating. The Petri Dishes may be used / inoculated up to the expiration date and incubated for the recommended incubation times. After use and prior to discarding, specimen containers and all contaminated material, including the used culture media and contaminated culture containers, must be sterilized or incinerated by validated procedures. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.

Performance Testing Results

GPT: Inoculum 10-100 cfu
Inhibitory properties: inoculum 10000 cfu

TEST	ATCC	Incubation Temp. (°C)	Incubation Cond.	Reaction 1	
<i>Escherichia coli</i>	25922	33-37°C	Aerobic, 24 hours	Pass	Red with green metallic sheen
<i>Enterobacter aerogenes</i>	13048	33-37 °C	Aerobic, 24 hours	Pass	Red, with or w/o metallic sheen
<i>Pseudomonas aeruginosa</i>	27853	33-37 °C	Aerobic, 24 hours	Pass	Pinpoint colorless to light pink
<i>Staphylococcus aureus</i>	25923	33-37 °C	Aerobic, 24 hours	Inhibited	