

## PRODUCT INFORMATION

Endo Agar

Cat. No. E05-110

Endo Agar Base is a differential and moderately selective culture medium for the detection and confirmation of coliforms and other enteric microorganisms in waters, milk, dairy and other food products.

### DESCRIPTION

Endo Agar Base uses fuchsin to differentiate between positive lactose-fermenting and lactose non-fermenting bacteria. Acetaldehyde production by lactose-fermenting organisms such as *E. coli* produce characteristic red colonies and a red surrounding area, marked by its reaction with Sodium sulphite in the presence of fuchsin. Lactose non-fermenters form colorless, transparent colonies.

### FORMULA (g/L)

Peptic Digest of Animal Tissue (Bovine)	12.0 g	Sodium sulfite	1.5 g
Potassium phosphate dibasic	3.5 g	Lactose	12.0 g
Agar	12.0 g	Pararosaniline	0.5 g

Final pH: 7.5 ± 0.2 at 25 °C

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

### PREPARATION

Suspend 41.5 grams of the medium in one liter of distilled water. Mix well and dissolve by heating with frequent agitation. Boil for one minute until complete dissolution. Sterilize in autoclave at 121 °C for 15 minutes. Cool to 45-50 °C, mix well and dispense into plates.

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and beige.
2. Visually the prepared medium is amber with a pink tint, without rests.
3. Expected cultural response after 18-48 hours at 35 °C ± 2°C.



ORGANISM	GROWTH	COLONY MORPHOLOGY
<i>Escherichia coli</i> ATCC 25922	Good Growth	Red with metallic sheen colony
<i>Klebsiella aerogenes</i> ATCC 13018	Good Growth	Red colony
<i>Shigella sonnei</i> ATCC 25931	Good Growth	Colorless colony
<i>Salmonella typhi</i> ATCC 6539	Good Growth	Colorless colony

## STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 25°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.