

# PRODUCT INFORMATION

## XLD Agar

Cat. No. X24-101



**ALPHA**<sup>™</sup>  
BIOSCIENCES

Date of Issue:  
10/01/17

### DESCRIPTION

XLD Agar is used for isolating and differentiation of gram-negative enteric bacteria.

### PREPARATION

Mix 55 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil until dissolved completely. DO NOT AUTOCLAVE.

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light pinkish-beige.
2. Visually the prepared medium is bright red-orange and clear to trace hazy.
3. Expected cultural response after 18-24 hours at 35°C.

#### Formula\* per Liter:

Yeast Extract .....	3.0g
L-Lysine .....	5.0g
Xylose .....	3.5g
Lactose .....	7.5g
Sucrose.....	7.5g
Sodium Deoxycholate .....	2.5g
Ferric Ammonium Citrate .....	0.8g
Sodium Thiosulfate .....	6.8g
Sodium Chloride .....	5.0g
Phenol Red.....	0.08g
Agar .....	13.0g

**Final pH:** 7.4 ± 0.2 at 25°C

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

#### Organism:

*Enterobacter aerogenes* ATCC® 13048  
*Enterococcus faecalis* ATCC® 29212  
*Escherichia coli* ATCC® 25922  
*Proteus mirabilis* ATCC® 12453  
*Salmonella typhi* ATCC® 19430  
*Salmonella typhimurium* ATCC® 14028  
*Shigella flexneri* ATCC® 12022

#### Result:

Growth, yellow colonies  
Inhibited  
Inhibited  
Growth, yellow w/grey-black centers  
Growth, yellow w/grey-black centers  
Growth, red w/grey-black centers  
Growth, red colonies

### 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.