

# PRODUCT INFORMATION



## XLT4 Agar Base

Cat. No. X24-103

Date of Issue:  
10/01/17

### DESCRIPTION

XLT4 Agar is used for the isolation of non-typhi *Salmonella spp.* This medium is predominantly effective when used with samples where overgrowth of contaminating flora is anticipated. In order to inhibit the growth of non-Salmonella organisms, the medium is supplemented with Tergitol 4.

### PREPARATION

Mix 59 grams of the medium and 4.6mL of Tergitol 4 in one liter of purified water until evenly dispersed. Heat with frequent agitation and boil for one minute. **DO NOT AUTOCLAVE.**  
**AVOID OVERHEATING OF MEDIUM.**

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light pinkish-beige.
2. Visually the prepared medium is slightly opalescent and reddish orange
3. Expected cultural response after 18-48 hours at 35°C.

#### Organism:

*Enterococcus faecalis* ATCC® 29212  
*Escherichia coli* ATCC® 25922  
*Proteus mirabilis* ATCC® 12453  
*Salmonella typhimurium* ATCC® 14028  
*Salmonella choleraesuis* ATCC® 13076  
*Staphylococcus aureus* ATCC® 25923

#### Result:

Inhibition  
Partially inhibition, Yellow colonies  
Inhibition  
Growth, Yellow colonies with black centers  
Growth, Yellow colonies with black centers  
Inhibition

### 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.

#### Formula\* per Liter:

Meat Peptone .....	2.2g
Yeast Extract .....	4.5g
L-Lysine .....	5.0g
D (+) Xylose .....	3.5g
Lactose .....	8.0g
Sucrose .....	8.0g
Sodium Carbonate .....	0.1g
Ferric Ammonium Citrate .....	0.8g
Sodium Thiosulfate .....	6.8g
Sodium Chloride .....	5.0g
Phenol Red Sodium Salt.....	0.08g
Agar .....	15.0g

**Final pH:** 7.4 ± 0.2 at 25°C

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