

# PRODUCT INFORMATION

## Salmonella Shigella Agar

Cat. No. S19-103



**ALPHA**<sup>™</sup>  
BIOSCIENCES

Date of Issue:  
10/01/17

### DESCRIPTION

Salmonella Shigella is used for isolating *Salmonella spp.* and some strains of *shigella spp.* The medium is widely used in sanitary, bacteriology to isolate Salmonella and Shigella from feces, urine, and fresh canned foods.

### PREPARATION

Mix 60 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. DO NOT AUTOCLAVE.

### QUALITY CONTROL SPECIFICATIONS

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

#### Organism:

*Enterococcus faecalis* ATCC 29212  
*Escherichia coli* ATCC 25922  
*Salmonella typhimurium* ATCC 14028  
*Shigella flexneri* ATCC 12022

#### Result:

Complete inhibition  
Partial Inhibition  
Good Growth-Clear colonies w/black centers  
Good Growth-Clear 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 pinkish-beige.

#### Formula\* per Liter:

Beef Extract .....	5.0g
Meat Peptone .....	5.0g
Lactose .....	10.0g
Bile Salts No. 3 .....	8.5g
Sodium Citrate .....	8.5g
Sodium Thiosulfate .....	8.5g
Ferric Citrate .....	1.0g
Agar .....	13.5g
Brilliant Green .....	0.33mg
Neutral Red.....	0.025g

**Final pH:** 7.0 ± 0.2 at 25°C

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