

# PRODUCT INFORMATION

## Selenite Broth

Cat. No. S19-107



**ALPHA**<sup>™</sup>  
BIOSCIENCES

Date of Issue:  
10/01/17

### DESCRIPTION

A liquid enrichment used for isolating *Salmonella typhi* and other *Salmonella sp.* from a variety of sources.

### PREPARATION

Mix 23.0 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. DO NOT AUTOCLAVE.

#### Formula\* per Liter:

Enzymatic Digest of Casein .....	2.5g
Peptic Digest of Animal Tissue .....	2.5g
Sodium Phosphate .....	10.0g
Lactose .....	4.0g
Sodium Selenite.....	4.0g

**Final pH:** 7.0 ± 0.2 at 25°C

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

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and off white.
2. Visually the prepared medium is clear to slight haze and light yellow- orange or Salmon.
3. Expected cultural response after aerobic incubation for 18-24 hours at 35°C.

#### Organism:

*Escherichia coli* ATCC® 25922  
*Salmonella typhi* ATCC® 19430  
*Salmonella typhimurium* ATCC® 14028  
*Shigella flexneri* ATCC® 12022

#### Result:

Complete inhibition  
Fair recovery at 18-20 hours  
Excellent recovery at 18-20 hours  
Complete inhibition at 18-20 hours

### 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.