

PRODUCT INFORMATION

Selenite Broth

Cat. No. S19-107

DESCRIPTION

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

FORMULA (g/L)

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

Final pH: 7.0 ± 0.2 at 25 °C

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

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.

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	RESULT
<i>Escherichia coli</i> ATCC 25922	Complete inhibition
<i>Salmonella typhi</i> ATCC 19430	Fair recovery at 18-20 hours
<i>Salmonella typhimurium</i> ATCC 14028	Excellent recovery at 18-20 hours
<i>Shigella flexneri</i> ATCC 12022	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.

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