

# SBG Broth Base

(Selenite Brilliant Green Broth Base, for isolation of *Salmonella*)



Uninoculated



Salmonella

Code	Form	Package	Storage	Shelf Life
<b>05006</b>	<b>Powder</b>	<b>100 g</b>	<b>Dry, Cool</b>	<b>2 years</b>

## Directions

Suspend 19.7 g of the dehydrated medium and 4.0 g of sodium selenite in 1,000 mL of distilled water, mix well to dissolve the medium. Avoiding excessive heating, keep at 100 °C for 10 minutes. **Do not autoclave.** Distribute aseptically about 10 mL amounts in to sterilized test tubes. Inoculate about 1 g of the specimen such as feces. Mix well and incubate at 37 °C for 18 - 24 hours. Take a loopful of the culture and then inoculate on a plate of the selective medium. Use sodium selenite of high quality.

## Remarks

The medium inhibits the growth of *Alcaligenes*, *Pseudomonas*, *Proteus* and other bacteria that grow on the selenite medium, and permits the growth of *Salmonella*. *S. typhi* and *S. paratyphi* A do not grow well in the medium.

SBG Sulfa Medium is more suitable than this medium for the isolation of *Salmonella* from eggs and egg products.

## Storage

Keep dry and cool place to prevent powder product and prepared solution form color fading.

## Formula

Components	In 19.7 g/L
<b>Yeast Extract</b>	<b>5.0 g</b>
<b>Peptone</b>	<b>5.0 g</b>
<b>Mannitol</b>	<b>5.0 g</b>
<b>Sodium Taurocholate</b>	<b>1.0 g</b>
<b>Dipotassium Phosphate</b>	<b>2.65 g</b>
<b>Potassium Dihydrogen Phosphate</b>	<b>1.02 g</b>
<b>Brilliant Green</b>	<b>0.005 g</b>
	<b>pH 7.2 ±</b>