

## S.F. BROTH

Selective medium for fecal streptococci isolation from milk, water, sewage and feces.

TYPICAL FORMULA	(g/l)
Tryptone	20.0
Glucose	5.0
Dipotassium Phosphate	4.0
Monopotassium Phosphate	1.5
Sodium Chloride	5.0
Sodium Azide	0.5
Brom Cresol Purple	0.032
Final pH = 6.9 ± 0.2 at 25 °C.	

### DIRECTIONS

Suspend 36.0 g of powder in 1 liter of distilled or deionized water. Heat to boiling until completely dissolved. Dispense into final containers. Sterilize in autoclave at 121°C for 15 minutes.

### DESCRIPTION

S.F. BROTH is a selective medium used to differentiate group D enterococci from group D non-enterococci and other streptococcus spp that are not group D. Sodium azide inhibits the growth of Gram negative. The glucose fermentation causes a color change of the indicator to yellow.

### TECHNIQUE

Inoculate the medium with a heavy inoculum from a pure 18-24 hours culture of the test organism. Incubate at 45 ± 0.5 °C for 18-48 hours. A positive result is indicated by turbidity in the medium with the production of a yellowish-brown color (acid production).

### QUALITY CONTROL

#### Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: light beige to gray.

#### Prepared medium

Appearance: clear.

Color: purple.

Incubation conditions: 45 ± 0.5 °C for 18-48 hours.

### Microorganism ATCC Growth Characteristics

*Escherichia coli* 25922 inhibited

*Enterococcus faecalis* 19433 good yellow

*Enterococcus faecium* 27270 good yellow

### STORAGE

The powder is very hygroscopic: store the powder at 10-30 °C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident.

Store prepared tubes at 2-8 °C.

### PRECAUTIONS

S.F. Broth contains sodium azide. This substance is harmful by inhalation and if swallowed, irritating to eyes, respiratory system and skin. Consult safety data sheet for further details. Sodium azide reacts with many metals, especially copper, to produce explosive metal azides.

### REFERENCES

1. Hajna, A.A., and C.A. Perry (1943). American journal of public health, **33**:550.
2. AOAC (1970). Methods of analysis, 11th edition



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




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### PRESENTATION

<b>Product</b>	<b>REF</b>	
S.F. BROTH (13.8 l)	610180	500 g
S.F. BROTH (2.7 l)	620180	100 g

### TABLE OF SYMBOLS

<b>LOT</b> Batch code	 Caution, consult accompanying documents	 Manufacturer	 Contains sufficient for <n> tests	<b>IVD</b> <i>In Vitro</i> Diagnostic Medical Device
<b>REF</b> Catalogue number	 Fragile, handle with care	 Use by	 Temperature limitation	 Keep away from heat source



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