

PRODUCT INFORMATION

Your Smarter Culture Media Choice



Selective Streptococcus Agar

Cat. No. S19-106

Date of issue
7/10/14

DESCRIPTION

Selective Streptococcus Agar is a medium used with the addition of blood to isolate and detect pathogenic *streptococci*, especially Group A *streptococci*. The antimicrobial additions increase the selectivity of this medium by suppressing common bacteria detected from a throat swab.

PREPARATION

Mix 43 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil to dissolve completely. Autoclave 121°C for 15 minutes. Prepare 5 to 10% blood agar by adding the appropriate volume of sterile defibrinated blood to melted sterile agar medium, cooled to 45-50°C. Dispense into petri dishes or tubes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing, and beige.
2. Visually the prepared medium is clear and beige.
3. Expected cultural response after preparation with blood at 35°C under 5-10% CO₂ and observed after 18-48 hours.

Organism:

Escherichia coli ATCC® 25922
Pseudomonas aeruginosa ATCC® 27853
Streptococcus agalactiae ATCC® 13813
Streptococcus pneumoniae ATCC® 6305
Streptococcus pyogenes ATCC® 19615

Result:

Inhibition
Inhibition
Growth, No hemolysis
Growth, Alpha hemolysis
Growth, Beta hemolysis

Formula* per Liter:

Casein Digest Peptone.....	10.0g
Beef Extract.....	6.7g
Nucleic Acid.....	6.0g
Sodium Chloride.....	5.0g
Maltose.....	0.25g
Polymyxin B Sulfate.....	0.024g
Neomycin Sulfate.....	0.002g
Agar.....	15.0g

Final pH: 7.3 ± 0.2 at 25°C

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

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.