

## Product Data Sheet

### STOCK CULTURE AGAR (AYERS AND JOHNSON AGAR)

**Product No.** GB-DCM-00050-1A

#### INTENDED USE

For maintenance of cultures of Streptococci and other microorganisms.

#### Product Specifications

Ingredients	Gms / Ltr
Beef Heart Infusion	500.000
Protease peptone	10.000
Gelatin	10.000
Dextrose	0.500
Casein purified	5.000
Sodium citrate	3.000
Disodium hydrogen phosphate	4.000
Agar	7.500

#### PRINCIPLE

Sources of nitrogen, vitamins and amino acids provided by the beef heart infusion, protease peptone, gelatin and casein purified. Dextrose serve as carbon and energy source. Disodium phosphate serves as a buffering agent while sodium citrate acts as a preservative. the inclusion of casein and dextrose, the latter of which acts as a source of energy.

#### INSTRUCTION FOR USE

- Dissolve 50 grams (equivalent weight of dehydrated medium per litre) in 1000 ml purified/ distilled water.
- Gently heat the medium just to boiling. Dispense in the tubes.
- Autoclave at 15 psi pressure (121 °C) for 15 minutes.
- Cool to 45-50°C. Mix well and pour into sterilize petri disputes.

#### QUALITY CONTROL SPECIFICATIONS

Appearance of Powder: Yellow to beige homogeneous coarse powder.  
 Appearance of prepared medium: Light yellow coloured opalescent gel form intubes.  
 pH (at 25°C) : 7.2 ± 0.2

## STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers below 25°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration. Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

## DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
Neisseria meningitis	13090	50-100	Luxuriant	35 - 37°C	18-48 Hours
Staphylococcus aureus subsp. aureus	25923	50-100	Luxuriant	35 - 37°C	18-48 Hours
Streptococcus pneumoniae	6303	50-100	Luxuriant	35 - 37°C	18-48 Hours
Streptococcus pyogenes	19615	50-100	Luxuriant	35 - 37°C	18-48 Hours

**This product is for research use only.**