

# Product Name : GBS (Group B Streptococci) Agar Base

A differential medium for the isolation and detection of Group B *streptococci* in clinical specimens.

## FORMULA (G/L)

Peptones ..... 23.0  
Soluble Starch ..... 5.0  
Buffers ..... 7.0  
Agar ..... 12.0  
Final pH = 7.5 ± 0.2 at 25°C

## DIRECTIONS

Suspend 47.0 G in 950 mL of distilled water and boil to dissolve the medium completely. Sterilize by autoclaving at 121 °C for 15 minutes. Cool to 50 °C. Aseptically add 50 mL of sterile inactivated Horse Serum (MB-H1888). Mix well. Dispense into petri dishes.

## EXPLANATION

GBS (Group B Streptococci) Agar Base is a differential medium for the isolation and detection of Group B *streptococci* in clinical specimens.

## TECHNIC

1. Swabs should be collected into Stuart Transport Medium (MB-S1182) and processed within 1/2-2 hours of collection.
2. Inoculate the swab on to the surface of GBS (Group B Streptococci) Agar Base.
3. If desired, apply a disc containing 300 or 500 of Sulphafurazole on to an area of the plate where growth can be expected to be moderately profuse.
4. Incubate the plates anaerobically at 35°C for 24-48 hours.
5. Report all orange/red pigmented colonies as presumptive group B *streptococci*.

## USER QUALITY CONTROL

### Dehydrated medium

Appearance: homogeneous hygroscopic powder.

Color: yellowish.

### Prepared medium

Appearance: clear.

Color: medium amber.

Incubation conditions: 35°C / 24-48 hours.

Microorganism	ATCC	Growth	Characteristics
<i>Streptococcus agalactiae</i>	13813	good	non-pigmented colonies
<i>Streptococcus agalactiae</i>	NCTC 9993	good	orange pigmented colonies
<i>Enterococcus faecalis</i>	29212	good	non-pigmented colonies

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## STORAGE

The powder is very hygroscopic: store the powder at room temperature, 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 plates at 2-6°C.

## PEFERENCES

1. Islam A. K. M. S. (1977) Lancet i 256-257 (letter).
2. PHLS Communicable Disease Report (1954) CDR 84/38, 3-6.
3. Merrit K. and Jacobs N. J. (1978) J. Clin. Microbiol. 8. 105-107.
4. Fallon R. J. (1974) J. Clin. Pathol. 27. 902-905.
5. Merrit K. and Jacobs N. J. (1978) J. Clin. Microbiol. 4. 379-380.
6. Noble A. M., Bent J. M. and West A. B. (1983) J. Clin. Pathol. 36. 350-352.
7. de la Rosa M., Villareal R., Vega D., Miranda C. and Martinezbrocal A. (1983) J. Clin. Microbiol. 18. 779-785.
8. Islam A. K. M. S. (1981) J. Clin. Pathol. 34. 78-81.

## PACKAGING

Cat. No : MB-G2170 GBS (Group B Streptococci) Agar Base	500 G
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