

CHROMagar™ Strep B

A Petri Dish containing chromogenic medium for the direct isolation and identification of Group B Streptococci (*S.agalactiae*)

For in vitro diagnostic use

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Cat. No. PD 434

90mm Prepared plates
Pkg.: 10 units in a bag
Expiry Date: Printed on label and on the item

Storage

Prepared media plates can be kept for one day at ambient temperature or stored for up to one month under refrigeration (2-8⁰ C) if properly prepared and protected from light and dehydration.

Composition (g/L)

CHROMagar Strep Base: Agar 44.6 g/L

CHROMagar Strep S1: Supplement 2 g/L

CHROMagar Strep S2: Supplement 250 mg / L

Intended Use

CHROMagar Strep B utilizes a selective and differential medium developed by CHROMagar in Paris, allowing by a single step the detection and presumptive identification of *S.agalactiae*.

Principle

The Base formulation includes selected peptones which supply the nutrients. A mixture of chromogenic substrates release an insoluble colored compound when hydrolyzed by specific enzymes from Group B Streptococci, leading to the growth of the microorganism in mauve colonies. Selective agents are added to the medium to inhibit the growth of most gram-negative and non *S.agalactiae* bacteriae.

Procedure

1. Use standard collection procedures for clinical specimens (rectal swabs, vaginal samples) or subculture from enrichment broth.
2. If the plates have been refrigerated, allow to return to room temperature before inoculation. Streak sample onto plate and incubate plates aerobically at 37⁰ C for 24 hours (inverted). An additional 24 hours may be required for some strains.

Interpretation of Results

1. Group B Streptococci strains grow in mauve to pink colonies.
2. *E. faecalis* and other *Enterococci* grow in blue colonies.
3. Other Gram Positive organisms are inhibited or grow in blue colonies or colorless.
4. Yeasts and gram-negative organisms are partially to completely inhibited.
5. Other Streptococci such as Group A Streptococci and *S.dysgalactiae* could appear as well as mauve colonies.

Limitations

Minimize exposure of CHROMagar Strep B to light before and during incubation in order to avoid destroying the chromogens. Store plates in the original package refrigerated and protected from light.

Final identification of *S.agalactiae* may require additional testing.

Disposal

Used contaminated test material should be handled by standard decontamination methods such as autoclaving or incineration.