Flowchart #4: Using pigmented broth and serologic or molecular testing for identification of GBS

Vaginal-rectal swab

Place in pigmented enrichment broth

Incubate in enrichment broth x 18-24 hrs at 35-37°C

- GBS indicator color observed
  - GBS+
    - Report as GBS+
  - No color change
    - Latex agglutination, DNA probe, Nucleic Acid Amplification Test (NAAT), or other molecular testing
      - Identify GBS
        - GBS+
          - Report as GBS+
        - GBS–
          - Report as GBS–

- Without enrichment, the false negative rate can be as high as 50%
- Around 4% of invasive isolates are non beta hemolytic, so samples without a color change always require further testing

Remember

Giving PCN-allergic women the most effective drug depends on YOU!
Test appropriate samples for susceptibility to clindamycin and erythromycin, INCLUDING inducible clindamycin resistance

If PCN-allergic & at high risk for anaphylaxis, subculture to plate and incubate 18-24 hrs at 35-37°C to conduct susceptibility testing

For more information, see http://www.cdc.gov/groupbstrep/lab


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