

Group B Strep (GBS) Testing

The Centers for Disease Control and Prevention stated "Antimicrobial susceptibility testing of GBS isolates is crucial for appropriate antibiotic prophylaxis selection for penicillin-allergic women who are at high risk for anaphylaxis...because resistance to clindamycin is increasing among GBS isolates" ¹



Test 127: Group B Streptococcus (GBS)
by Real-Time PCR

Test 137: Group B Streptococcus (GBS)
Antibiotic Resistance by PCR** (#127 Req.)

For use in patients that are penicillin-allergic when clindamycin resistance determination is required for alternate treatment

Advantages:

- Superior diagnostic sensitivity and specificity
- Specimen viability up to 5 days after collection
- Test additions available up to 30 days after collection
- No refrigeration required before or after collection
- Blood and excess mucus will not affect result
- Additional copy of result reports sent to Labor & Delivery Unit
- Clindamycin resistance testing for penicillin-allergic patients
- Selective broth enrichment for pregnant patients
- Secure, online result access 24 hours/7 days a week
- **GBS hotline access 24 hours/7 days a week at toll free:**

877.MDL.GBSS (635.4277)

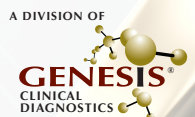
¹ CDC. 2010. Prevention of perinatal Group B Streptococcal disease: revised guidelines from CDC, 2010. *MMWR Recomm Rep* 59(RR-10):1–36.

** This test can only be performed when the test in parenthesis is positive. All tests performed will be billed.



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IH0123 Upd: 10/2024

MEDICAL DIAGNOSTIC LABORATORIES

Recommendations for Treatment



MDLNO:13364148
Patient: DOE, JANE

Date of Service: 04/16/2024
Date Created: 04/19/2024

Summary:

This specimen is composed of abnormal **Group B Streptococcus**. Please note that **Group B Streptococcus** was also detected in this specimen but is not considered for these treatment recommendations. A separate treatment regimen may be necessary to treat this infection. The presented recommendations are limited by the testing that was actually performed for this date of service.

Dr. Faro's Alternative Recommendation:

1% Mupirocin, 10 mg or 20 mg vaginal suppositories, One intravaginally at bedtime every night for 7 days.
Begin oral probiotic 1 caps
Begin vaginal probiotic sup
night for 4 weeks.



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SPECIMEN

Type	Source	Collected	Received	Reported
Swab	Vag/Anal	04/15/2024	04/16/2024	04/19/2024



PATIENT

MDL # 13364148

DOE, JANE
555 MAIN ROAD
ANYTOWN, NJ 12345-6789
DOB: 11/30/1998 (Age 25)
Gender: Female
Ethnicity: Not provided
Patient ID: 82100
Home #: 123-456-7890

FINAL



CLIENT

NPI: 0987654321

DOE FAMILY PRACTICE
JOHN DOE, MD
1234 FIRST AVENUE
ANYTOWN, NJ 12345-6789

Tel: (555) 555-1234
Fax: 555-555-1235



Pathogens Detected

127 Group B Streptococcus (GBS) *

POSITIVE

137 Group B Streptococcus (GBS) Antibiotic
Resistance *

POSITIVE

Clindamycin Resistant

*This test was developed and its performance characteristics determined by the laboratory. It has not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary.

A positive result is provided for bacteria, virus, parasites, and/or fungal species when PCR amplification (real-time PCR), sequence information (Pyrosequencing), and/or sequencing analysis occurs above cut-off levels established by the laboratory. Pertinent reference intervals for the tests reported above are available from the laboratory upon request.

Medical Director, Jing-Jing Yang, M.D.

MDL#: 13364148 05/20/2024