

Overview

Useful For

Screening for maternal colonization with *Streptococcus agalactiae* at 36 to 37 weeks gestation as a guide for intrapartum antibiotic prophylaxis to decrease the risk of infection by *S agalactiae* (group B streptococcus) in the infant

Highlights

This test is utilized to assess for the presence of *Streptococcus agalactiae* (group B streptococcus) in pregnant women.

Reflex Tests

Test ID	Reporting Name	Available Separately	Always Performed
RMALD	Ident by MALDI-TOF mass spec	No, (Bill Only)	No
GID	Bacteria Identification	No, (Bill Only)	No
STRP	Identification Streptococcus	No, (Bill Only)	No
ISAE	Aerobe Ident by Sequencing	No, (Bill Only)	No
SIDC	Ident Serologic Agglut Method 4	No, (Bill Only)	No

Testing Algorithm

When this test is ordered, the reflex tests may be performed and charged.

Method Name

Conventional Culture Technique

NY State Available

Yes

Specimen

Specimen Type

Varies

Shipping Instructions

Specimen must arrive within 24 hours of collection.

Necessary Information

Specimen source is required.

Specimen Required

Supplies: Culturette (BBL Culture Swab) (T092)

Specimen Type: Swab

Sources: Vaginal/rectal combination swab

Container/Tube: Culture transport swab (Dacron or rayon swab with aluminum or plastic shaft with either Stuart or Amies liquid medium)

Specimen Volume: Swab

Additional Information:

Vaginal/rectal **combination** swab is the only acceptable specimen according to American College of Obstetricians and Gynecologists (ACOG) guidelines. Vaginal only, rectal only, as well as other sources are **not** acceptable.

Reject Due To

Other	Dry swab
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Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Varies	Ambient (preferred)	24 hours	
	Refrigerated	24 hours	

Clinical and Interpretive

Clinical Information

Streptococcus agalactiae (group B streptococcus) is a cause of morbidity and mortality among infants. Infections occurring within the first week of life are considered early-onset; those occurring in infants greater than 1 week of age are considered late-onset. Maternal vaginal or rectal colonization with *S agalactiae* is a risk factor for early-onset disease in infants. Ten to 30% of pregnant women are vaginally or rectally colonized with *S agalactiae* and may transmit the organism to their infant during labor and delivery. The American College of Obstetricians and Gynecologists recommends screening for colonization with *S agalactiae* at 36 to 37 weeks gestation as a guide for intrapartum antibiotic prophylaxis to decrease the risk of infection with *Streptococcus agalactiae* in the infant.

Reference Values

Negative

Interpretation

Positive cultures are reported out as *Streptococcus agalactiae*.

Cautions

No significant cautionary statements

Clinical Reference

Prevention of Group B Streptococcal Early-Onset Disease in Newborns: American College of Obstetricians and Gynecologists Committee Opinion. July 2019;(134):1. <https://www.acog.org/Clinical-Guidance-and-Publications/Committee-Opinions/Committee-on-Obstetric-Practice/Prevention-of-Group-B-Streptococcal-Early-Onset-Disease-in->

Newborns

Performance**Method Description**

Swabs are cultured to a sheep blood agar plate, a Columbia colistin-nalidixic acid agar plate, and a LIM broth. Cultures are incubated for 2 to 3 days, depending on microbial growth present. *Streptococcus agalactiae* is identified using one or a combination of the following techniques: matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) mass spectrometry, conventional biochemical tests, latex antigen test, and nucleic acid sequencing of the 16S ribosomal RNA (rRNA) gene. *Streptococcus agalactiae* or no growth of *S agalactiae* is reported. (Church DL: Group B Streptococcus Cultures. In Clinical Microbiology Procedures Handbook. Edited by AL Leber. Washington DC, ASM Press, 2016, section 3.9.2)

PDF Report

No

Day(s) Performed

Monday through Sunday

Report Available

3 to 5 days

Specimen Retention Time

3 days

Performing Laboratory Location

Rochester

Fees and Codes**Fees**

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their Regional Manager. For assistance, contact [Customer Service](#).

Test Classification

This test has been cleared, approved, or is exempt by the US Food and Drug Administration and is used per manufacturer's instructions. Performance characteristics were verified by Mayo Clinic in a manner consistent with CLIA requirements.

CPT Code Information87081-Strep Grp B (*S. agalactiae*) culture

87077-Ident by MALDI-TOF mass spec (if appropriate)

87077-Bacteria identification (if appropriate)

87077-Identification Streptococcus (if appropriate)

87147 x 2-6-Serologic Agglut Method 4 Ident (if appropriate)

87153-Aerobe ident by sequencing (if appropriate)

LOINC® Information

Test ID	Test Order Name	Order LOINC Value
CGBS	Grp B Strep (<i>S. agalactiae</i>) Culture	586-8

Result ID	Test Result Name	Result LOINC Value
CGBS	Grp B Strep (<i>S. agalactiae</i>) Culture	586-8