

CULTURE PROFILE

Streptococcus agalactiae

First described 1896 · Biosafety risk group 2 · NCBI TaxID 1311 · 249 evidence sentences · 72 sources

cellular organisms; Bacteria; Bacillati; Bacillota; Bacilli; Lactobacillales; Streptococcaceae; Streptococcus

UNREVIEWED — not verified by a microbiologist

At a glance

1	Media used	Blood agar; Todd-Hewitt broth; Lim broth; Tryptic soy agar (TSA); +7 more	high
2	Optimum temperature for growth	20 °C	low
3	Time required to grow	0-7 d	high
4	Colony morphology	In cases where suspicious colonies with beta-hemolysis were observed, bacterial identification was performed using MALDI-TOF mass spectrometry (Bruker).	low
5	Gram character	Gram-positive (coccus)	high
6	Biochemical tests for identification	MALDI-TOF MS; CAMP test; Capsule / quellung; 16S rRNA gene sequencing; +10 more	high

1 Media used

high confidence

• Blood agar

High · score 16.24 · 7 sources

"We aimed to compare BD group B Streptococcus differential agar (GBSDA) with inoculation into LIM broth and subculture onto blood agar plates (LIM-BA) as a method for GBS screening in pregnant women."

Culture-based methods for detection and identification of Streptococcus agalactiae in pre... — PubMed (NCBI E-utilities), 2008

• Todd-Hewitt broth

High · score 13.98 · 6 sources

"Samples were analysed in parallel in six study arms using (i) colistin nalidixic acid (CNA) agar, (ii) chromogenic S. agalactiae selective agar, (iii) CNA agar after enrichment in thioglycolate broth, (iv) chromogenic agar after enrichment in thioglycolate broth, (v) CNA agar after enrichment in Todd-Hewitt broth and (vi) chromogenic agar after enrichment in Todd-Hewitt broth."

Streptococcus agalactiae colonization in pregnant women: which culture-based detection me... — PubMed (NCBI E-utilities), 2026

• Lim broth

High · score 12.75 · 3 sources

"We aimed to compare BD group B Streptococcus differential agar (GBSDA) with inoculation into LIM broth and subculture onto blood agar plates (LIM-BA) as a method for GBS screening in pregnant women."

Culture-based methods for detection and identification of Streptococcus agalactiae in pre... — PubMed (NCBI E-utilities), 2008

• Tryptic soy agar (TSA)

High · score 12.27 · 3 sources

"Isolation of the bacterium was done using different culture media (Nutrient broth, Plate count agar, Tryptic Soy Agar, and Blood agar), and identification by using various biochemical tests (conventional and using API 20 Strep kit) and polymerase chain reaction (PCR) using primers against 16S rRNA gene of S. agalactiae."

Isolation and molecular detection of Streptococcus agalactiae from popped eye disease of ... — PubMed (NCBI E-utilities), 2021

• Tryptic soy broth (TSB)

Moderate · score 7.59 · 4 sources

"Among others, simulated vaginal fluid has been used; however, biofilm production in this medium has been found to be lower than that in tryptic soy broth."

Optimization of Streptococcus agalactiae Biofilm Culture in a Continuous Flow System for ... — PubMed (NCBI E-utilities), 2021

- Brain heart infusion (BHI)

Moderate · score 6.95 · 2 sources

"The results showed that the abilities of growth and biofilm formation of delta SaeRS strain were significantly decreased when cultured in a brain heart infusion (BHI) medium ($P < 0.01$)."

Characterization and virulence of Streptococcus agalactiae deficient in SaeRS of the two-... — PubMed (NCBI E-utilities), 2023

- Columbia CNA agar

Low · score 3.69 · 2 sources

"Samples were analysed in parallel in six study arms using (i) colistin nalidixic acid (CNA) agar, (ii) chromogenic S. agalactiae selective agar, (iii) CNA agar after enrichment in thioglycolate broth, (iv) chromogenic agar after enrichment in thioglycolate broth, (v) CNA agar after enrichment in Todd-Hewitt broth and (vi) chromogenic agar after enrichment in Todd-Hewitt broth."

Streptococcus agalactiae colonization in pregnant women: which culture-based detection me... — PubMed (NCBI E-utilities), 2026

- Granada medium

Low · score 2.89 · 3 sources

"New Granada Medium for detection and identification of group B streptococci.."

New Granada Medium for detection and identification of group B streptococci. — PubMed (NCBI E-utilities), 1992

- Nutrient broth

Low · score 2.07 · 1 source

"Isolation of the bacterium was done using different culture media (Nutrient broth, Plate count agar, Tryptic Soy Agar, and Blood agar), and identification by using various biochemical tests (conventional and using API 20 Strep kit) and polymerase chain reaction (PCR) using primers against 16S rRNA gene of S. agalactiae ."

Isolation and molecular detection of Streptococcus agalactiae from popped eye disease of ... — PubMed (NCBI E-utilities), 2021

- Thioglycollate broth

Low · score 2.07 · 1 source

"Samples were analysed in parallel in six study arms using (i) colistin nalidixic acid (CNA) agar, (ii) chromogenic S. agalactiae selective agar, (iii) CNA agar after enrichment in thioglycolate broth, (iv) chromogenic agar after enrichment in thioglycolate broth, (v) CNA agar after enrichment in Todd-Hewitt broth and (vi) chromogenic agar after enrichment in Todd-Hewitt broth."

Streptococcus agalactiae colonization in pregnant women: which culture-based detection me... — PubMed (NCBI E-utilities), 2026

- Chromogenic UTI / Orientation

Low · score 0.78 · 1 source

"The samples were cultured on 5% sheep blood and Chromagar Orientation."

The first Prenatal Group B Streptococcus (GBS) Screening in Late Pregnancy in Algerian po... — Zenodo, 2021

2 Optimum temperature for growth

low confidence

20 °C

Low · score 3.11 · 1 source

"Conclusions: In conclusion, the results suggested that the enrichment culture time was 24 hours, the transport media stable best time is 2 days stored at 20 °C~25 °C or 4 days stored at 2 °C~8 °C, and the best incubation time is 48 hours for streptococcus agalactiae clinical testing in pregnant women."

To Evaluate Impact on Detection Rate of Streptococcus Agalactiae in the Third Trimester o... — OpenAIRE Explore, 2023

25 °C

Low · score 3.11 · 1 source

"Conclusions: In conclusion, the results suggested that the enrichment culture time was 24 hours, the transport media stable best time is 2 days stored at 20 °C~25 °C or 4 days stored at 2 °C~8 °C, and the best incubation time is 48 hours for streptococcus agalactiae clinical testing in pregnant women."

To Evaluate Impact on Detection Rate of Streptococcus Agalactiae in the Third Trimester o... — OpenAIRE Explore, 2023

2 °C

Low · score 3.11 · 1 source

"Conclusions: In conclusion, the results suggested that the enrichment culture time was 24 hours, the transport media stable best time is 2 days stored at 20 °C~25 °C or 4 days stored at 2 °C~8 °C, and the best incubation time is 48 hours for streptococcus agalactiae clinical testing in pregnant women."

To Evaluate Impact on Detection Rate of Streptococcus Agalactiae in the Third Trimester o... — OpenAIRE Explore, 2023

8 °C

Low · score 3.11 · 1 source

"Conclusions: In conclusion, the results suggested that the enrichment culture time was 24 hours, the transport media stable best time is 2 days stored at 20 °C~25 °C or 4 days stored at 2 °C~8 °C, and the best incubation time is 48 hours for streptococcus agalactiae clinical testing in pregnant women."

To Evaluate Impact on Detection Rate of Streptococcus Agalactiae in the Third Trimester o... — OpenAIRE Explore, 2023

Sources disagree: "20 °C" (score 3.11) versus "25 °C" (score 3.11). Both are shown; a reviewer should decide.

3 Time required to grow

high confidence

0-7 d

High · score 50.36 · 7 sources

"EOD manifests within 0 to 7 days in the newborn, with most cases apparent within 24 h of birth."

Streptococcus agalactiae — Wikipedia, 2026

"The mixtures were microaerobically incubated at 37 °C for 24 h."

Potential Application of Bacteriophages in Enrichment Culture for Improved Prenatal Strep... — PubMed Central (open access), 2018

"In the negative control group (i.e., no phage treatment), E. faecalis densities were significantly higher than S. agalactiae at incubation for 6, 12, and 24 h ($p < 0.01$) (Figure 2 A)."

Potential Application of Bacteriophages in Enrichment Culture for Improved Prenatal Strep... — PubMed Central (open access), 2018

1-6 d

High · score 44.05 · 7 sources

"The isolated GBS was found highly virulent and showed 80%-90% mortality for Tilapia and V. Koi fishes in experimental infection within 1-6 days of post-infection."

Isolation and molecular detection of Streptococcus agalactiae from popped eye disease of ... — PubMed (NCBI E-utilities), 2021

"The mixtures were microaerobically incubated at 37 °C for 24 h."

Potential Application of Bacteriophages in Enrichment Culture for Improved Prenatal Strep... — PubMed Central (open access), 2018

"In the negative control group (i.e., no phage treatment), E. faecalis densities were significantly higher than S. agalactiae at incubation for 6, 12, and 24 h ($p < 0.01$) (Figure 2 A)."

Potential Application of Bacteriophages in Enrichment Culture for Improved Prenatal Strep... — PubMed Central (open access), 2018

24-48 h

High · score 31.74 · 7 sources

"It is safer to choose regimens with broad coverage, as they can usually be modified within 24-48 hours, when antibiotic sensitivities of the infecting organism become available."

[Meningitis (II)]--acute bacterial meningitis]. — PubMed (NCBI E-utilities), 1999

"After 24 h (for SmartColor 2) and 24 to 48 hours (for blood agar) of incubation at 37 °C, the plates were inspected and all microbiological colonies grown in SmartColor 2 and in blood agar were submitted to species identification using MALDI-TOF MS."

Accuracy of an AI-based automated plate reading mobile application for the identification... — PubMed Central (open access), 2024

"The mixtures were microaerobically incubated at 37 °C for 24 h."

Potential Application of Bacteriophages in Enrichment Culture for Improved Prenatal Strep... — PubMed Central (open access), 2018

12-24 h

High · score 20.5 · 6 sources

"Hence, incubation for 12-24 h was sufficient to achieve bacterial enrichment in that particular experimental setting."

Potential Application of Bacteriophages in Enrichment Culture for Improved Prenatal Strep... — PubMed Central (open access), 2018

"The mixtures were microaerobically incubated at 37 °C for 24 h."

Potential Application of Bacteriophages in Enrichment Culture for Improved Prenatal Strep... — PubMed Central (open access), 2018

"In the negative control group (i.e., no phage treatment), E. faecalis densities were significantly higher than S. agalactiae at incubation for 6, 12, and 24 h ($p < 0.01$) (Figure 2 A)."

Potential Application of Bacteriophages in Enrichment Culture for Improved Prenatal Strep... — PubMed Central (open access), 2018

Sources disagree: "0-7 d" (score 50.36) versus "1-6 d" (score 44.05). Both are shown; a reviewer should decide.

4 Colony morphology

low confidence

In cases where suspicious colonies with beta-hemolysis were observed, bacterial identification was performed using MALDI-TOF mass spectrometry (Bruker).

Low · score 1.09 · 1 source

"In cases where suspicious colonies with beta-hemolysis were observed, bacterial identification was performed using MALDI-TOF mass spectrometry (Bruker)."

Prospective study of vaginal samples for the detection of <i>Gardnerella vaginalis</i>... — Europe PMC, 2026

Under anaerobic conditions, colonies were larger, hemolysis was more pronounced, and overall sensitivity was higher.

Low · score 1.09 · 1 source

"Under anaerobic conditions, colonies were larger, hemolysis was more pronounced, and overall sensitivity was higher."

Prospective study of vaginal samples for the detection of <i>Gardnerella vaginalis</i>... — Europe PMC, 2026

Transparent colonies predominate in the parent GBS, with occasional colonies having opaque portions.

Low · score 0.76 · 1 source

"Transparent colonies predominate in the parent GBS, with occasional colonies having opaque portions."

Group B streptococcal opacity variants. — PubMed Central (open access), 1992

Scanning and transmission electron microscopy demonstrated that colony opacity correlated with bacterial aggregation status, with opaque variants forming longer and more organized chains.

Low · score 0.76 · 1 source

"Scanning and transmission electron microscopy demonstrated that colony opacity correlated with bacterial aggregation status, with opaque variants forming longer and more organized chains."

Group B streptococcal opacity variants. — PubMed Central (open access), 1992

5 Gram character

high confidence

Gram-positive (coccus)

High · score 45.49 · 10 sources

"Isolated bacteria were found Gram-positive paired and chained cocci, beta-hemolytic and non-motile."

Isolation and molecular detection of Streptococcus agalactiae from popped eye disease of ... — PubMed (NCBI E-utilities), 2021

"GBS-Group B streptococcus or Streptococcus agalactiae is a Gram-positive coccus found in 20% of healthy women as part of normal gastrointestinal and genital tract flora."

IDENTIFICATION AND ANTIBIOTIC SUSCEPTIBILITY PATTERNS OF STREPTOCOCCUS AGALACTIAE. — PubMed (NCBI E-utilities), 2019

"Gram-positive bacteria encoding T7SSb have been shown to engage in competition through the export of LXG-motif-containing toxins, but these have not been characterized in group B Streptococcus (GBS), an opportunistic colonizer of the polymicrobial female genital tract."

A group B streptococcal type VII-secreted LXG toxin mediates interbacterial competition a... — PubMed (NCBI E-utilities), 2024

Gram-negative

Moderate · score 9.71 · 5 sources

"Among the groups of pathogens that can be identified by Smartcolor2, Lactococcus spp., Pseudomonas spp., yeast, Prototheca spp., other Gram-negative and other Gram-positive microorganism had a low frequency of isolation (n 0.96 for all the groups of pathogens evaluated (Table 1)."

Accuracy of an AI-based automated plate reading mobile application for the identification... — PubMed Central (open access), 2024

"Chromogenic culture media interpretation The Smartcolor 2 triplate, whose images were used in the study, comprises of a triplate Petri dish composed of three different selective chromogenic culture media: Section 1: Streptococcus spp.; Section 2: Staphylococcus aureus and Staphylococcus spp. and Section 3: gram-negative bacteria."

Accuracy of an AI-based automated plate reading mobile application for the identification... — PubMed Central (open access), 2024

"Section 2-Gram-negative: (a) purple = E. coli ; (b) metallic blue = Klebsiella spp., Enterobacter spp., or Serratia spp.; (c) yellow = Pseudomonas spp.; (d) white and dry = yeast and Prototheca spp., and (e) other colors = Gram-negative microorganism other than E. coli; Klebsiella spp.; Enterobacter spp.; Serratia spp. or Pseudomonas spp. (other Gram-negative microorganism)."

Accuracy of an AI-based automated plate reading mobile application for the identification... — PubMed Central (open access), 2024

6 Biochemical tests for identification

high confidence

MALDI-TOF MS

High · score 22.54 · 8 sources

"Use of MALDI-TOF mass spectrometry for rapid identification of group B Streptococcus on chromID Strepto B agar.."

Use of MALDI-TOF mass spectrometry for rapid identification of group B Streptococcus on c... — PubMed (NCBI E-utilities), 2014

CAMP test

High · score 17.6 · 5 sources

"Streptococcus agalactiae can produce CAMP factor, which can promote the beta-hemolysin activity of Staphylococcus aureus , forming an arrow-shaped hemolysis enhancement zone at the intersection of the two bacterial species on a blood agar plate."

Analysis of molecular characteristics of CAMP-negative Streptococcus agalactiae strains. — PubMed (NCBI E-utilities), 2023

- **Capsule / quellung**

High · score 13.42 · 7 sources

"Capsular typing and genetic characterization of nonsusceptible isolates were assessed by latex agglutination, pulsed-field gel electrophoresis (PFGE), and multilocus sequence typing."

Fluoroquinolone-Resistant Streptococcus agalactiae Invasive Isolates Recovered in Argentina. — PubMed (NCBI E-utilities), 2019

- **16S rRNA gene sequencing**

High · score 13.1 · 6 sources

"Isolation of the bacterium was done using different culture media (Nutrient broth, Plate count agar, Tryptic Soy Agar, and Blood agar), and identification by using various biochemical tests (conventional and using API 20 Strep kit) and polymerase chain reaction (PCR) using primers against 16S rRNA gene of S. agalactiae ."

Isolation and molecular detection of Streptococcus agalactiae from popped eye disease of ... — PubMed (NCBI E-utilities), 2021

- **Haemolysis pattern — reported negative**

High · score 12.65 · 6 sources

"Pigment was not produced in eight non-hemolytic and two hemolytic strains."

Culture-based methods for detection and identification of Streptococcus agalactiae in pre... — PubMed (NCBI E-utilities), 2008

- **Pigment production**

Moderate · score 8.96 · 4 sources

"Second, we tested the production of carotenoid pigment in 155 GBS blood culture isolates."

Culture-based methods for detection and identification of Streptococcus agalactiae in pre... — PubMed (NCBI E-utilities), 2008

- **Antibiotic susceptibility profile**

Moderate · score 8.12 · 3 sources

"Nineteen isolates were identified through a review of preservation and cultivation processes since January 2022, followed by antibiotic susceptibility testing."

Genotypic and phenotypic characteristics of group B streptococcal isolates from neonates ... — PubMed (NCBI E-utilities), 2025

- **VITEK 2**

Moderate · score 6.1 · 3 sources

"After bacterial isolation from the brain and kidney of diseased fish, identification was performed using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry and the VITEK 2 system."

Characterization of Lactococcus garvieae and Streptococcus agalactiae in cultured red til... — PubMed (NCBI E-utilities), 2024

- **DNase — reported negative**

Low · score 3.6 · 2 sources

"The aim of the present study was to evaluate in vitro the effects of three environmental factors (H⁺, glucose and human plasma) in biofilm formation, by carrier and invasive Streptococcus agalactiae strains of ST17 and ST19 sequence types, including DNase producers and non-producers."

Biofilm formation by ST17 and ST19 strains of Streptococcus agalactiae. — PubMed (NCBI E-utilities), 2020

- **Whole-genome sequencing / ANI**

Low · score 2.44 · 2 sources

"Technologies, such as whole genome sequencing, genome-wide transcription and proteome mapping facilitate large scale identification of genes and proteins."

Acid Stress Response Mechanisms of Group B Streptococci. — PubMed (NCBI E-utilities), 2017

- **Aerotolerance test — reported positive**

Low · score 2.38 · 2 sources

"GBS or streptococcus agalacticae is a gram-positive cocci, beta-hemolytic, facultative anaerobic, which is a harmless inhabitant of the normal human microflora."

BIOLOGICAL CHARACTERIZATION OF BACTERIOPHAGES AGAINST STREPTOCOCCUS AGALACTIAE. — PubMed (NCBI E-utilities), 2021

- **Coagulase — reported negative**

Low · score 2.07 · 1 source

"Scant information exists on Ocimum tenuiflorum L. This study evaluated the antibacterial activity of O. tenuiflorum extract and its interaction with antibacterial drugs against common mastitis pathogens including Staphylococcus aureus, coagulase-negative Staphylococci (CNS), Streptococcus agalactiae, and Escherichia coli ."

Synergistic Antibacterial and Anti-inflammatory Activities of Ocimum tenuiflorum Ethanol... — DOAJ, 2022

7 References

1. Streptococcus agalactiae colonization in pregnant women: which culture-based detection method is best? PMID:41528798 · via PubMed (NCBI E-utilities) · supported: Media used

2026

2. Prospective study of vaginal samples for the detection of *Gardnerella vaginalis* and *G. swidsinskii*/leopoldii; using Gardnerella agar in CO₂ and anaerobic atmospheres. MED:42089608 doi:10.1128/spectrum.03668-25 · via Europe PMC · supported: Time required to grow, Colony morphology, Biochemical tests for identification 2026
3. Diagnostic Accuracy of the Biofire FilmArray Blood Culture Identification 2 (BCID2) for Bloodstream Infections in Limpopo, South Africa. MED:42273392 doi:10.2147/idr.s575283 · via Europe PMC · supported: Biochemical tests for identification, Gram character 2026
4. Impact of Neurons on Group B *Streptococcus* Interactions at the Blood Brain Barrier PPR:PPR1289673 doi:10.64898/2026.07.31.741976 · via Europe PMC · supported: Gram character 2026
5. Combined effects of dietary ellagic acid and *Bacillus coagulans* on growth performance, antioxidant and immune responses, intestinal health, and resistance to *Streptococcus agalactiae* in striped catfish. MED:42593707 doi:10.1007/s11259-026-11448-1 · via Europe PMC · supported: Biochemical tests for identification 2026
6. Aseptic and Bacterial Meningitis: Diagnosis, Treatment, and Prevention. PMID:41839077 · via PubMed (NCBI E-utilities) · supported: Time required to grow 2026
7. Atypical detection of group B *Streptococcus* ST - 17 clone from a diabetic patient with necrotising fasciitis: A case report MED:41799964 doi:10.1016/j.idcr.2026.e02535 · via Europe PMC · supported: Time required to grow 2026
8. Type VII secretion system promotes *Streptococcus agalactiae* virulence through magnesium acquisition and capsule maintenance. MED:42661204 doi:10.1186/s13567-026-01816-9 · via Europe PMC · supported: Biochemical tests for identification 2026
9. Aseptic and Bacterial Meningitis: Diagnosis, Treatment, and Prevention. MED:41839077 · via Europe PMC · supported: Time required to grow 2026
10. Optimal screening strategies, colonization rates, and antimicrobial resistance within a newly implemented organized group B *Streptococcus* screening program in Slovenia. MED:42284772 doi:10.1016/j.diagmicrobio.2026.117508 · via Europe PMC · supported: Media used 2026
11. Comparative transcriptomics of wild-type and LAAO-knockout zebrafish challenged with *Streptococcus agalactiae*. MED:42624415 doi:10.1016/j.fsi.2026.111638 · via Europe PMC · supported: Time required to grow 2026
12. Beyond the Petri Dish: The Performance of a Multiplex PCR-Based Pneumonia Panel in Hospitalized Patients With Lower Respiratory Tract Infection. MED:42046590 doi:10.7759/cureus.105950 · via Europe PMC · supported: Time required to grow 2026
13. The association between the use of dry cow therapy and bacteriological cure after calving and the development of phenotypic antimicrobial resistance on Egyptian dairy farms. MED:41920917 doi:10.1371/journal.pone.0345646 · via Europe PMC · supported: Biochemical tests for identification 2026
14. Clinical utility of a cerebrospinal fluid multiplex PCR meningitis/encephalitis panel in children: a retrospective review of positive results. MED:41787310 doi:10.1186/s12879-026-12996-2 · via Europe PMC · supported: Time required to grow 2026
15. 16S rRNA Bacterial Identification in Evaluation of Orthopedic Infections and its Limited Role in Antimicrobial Stewardship MED:42169693 doi:10.1093/ofid/ofag262 · via Europe PMC · supported: Biochemical tests for identification 2026
16. Prevalence, Serotype Distribution, and Antimicrobial Resistance of *Streptococcus agalactiae* Among Pregnant Women in Greece: A Retrospective Study PPR:PPR1187996 · via bioRxiv / medRxiv (via Europe PMC) · supported: Media used, Biochemical tests for identification 2026
17. *Streptococcus agalactiae* Serotype Ia ST7 CC1 in Farmed Nile Tilapia in Latin America: Age-Dependent Disease and Antimicrobial Susceptibility of an Emerging Clonal Lineage PPR:PPR1183902 · via bioRxiv / medRxiv (via Europe PMC) · supported: Biochemical tests for identification, Gram character 2026
18. Comparison of two Chromogenic Media: Brilliance Group B and ChromID STRB for the screening of Group B streptococcus from an antenatal clinic in Sydney, Australia PPR:PPR1248139 · via bioRxiv / medRxiv (via Europe PMC) · supported: Biochemical tests for identification 2026
19. Invasive *Streptococcus agalactiae* Infections in Infants in Guangzhou, Southern China (2013-2022): Molecular Epidemiology and Clinical Management Implications PPR:PPR1170876 · via bioRxiv / medRxiv (via Europe PMC) · supported: Time required to grow 2026
20. *Streptococcus agalactiae* wikipedia:2842834 · via Wikipedia · supported: Gram character, Biochemical tests for identification, Media used, Colony morphology, Time required to grow 2026
21. First successful use of ampicillin-sulbactam for rare *Streptococcus agalactiae*-associated peritonitis in peritoneal dialysis: a case report and literature review. MED:40963563 doi:10.3389/fmed.2025.1652738 · via Europe PMC · supported: Gram character, Time required to grow 2025
22. Genotypic and phenotypic characteristics of group B streptococcal isolates from neonates in a tertiary hospital in Qingyang, Gansu Province, China. PMID:40651632 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification 2025
23. Capsular Typing and Molecular Characterization of *Streptococcus agalactiae* Strains Isolated From Bovine Mastitis in Iran PMID:40110713 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification 2025
24. A Comparative Study on the Impact of FIV and FeLV Infection on the Ocular Microbiota in Persian Cats: Insights From Co-Infection and Single Infections. MED:41497367 doi:10.1155/vmi/8146795 · via Europe PMC · supported: Gram character 2025
25. Accuracy of an AI-based automated plate reading mobile application for the identification of clinical mastitis-causing pathogens in chromogenic culture media PMC10786835 · via PubMed Central (open access) · supported: Biochemical tests for identification, Gram character, Media used, Time required to grow 2024

26. **Characterization of Lactococcus garvieae and Streptococcus agalactiae in cultured red tilapia Oreochromis sp. in Thailand.** 2024
PMID:38632692 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
27. **Macrolide resistance among Streptococcus agalactiae during COVID-19 public health emergency in Brazil.** 2024
PMID:38687418 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
28. **Enrichment culture evaluation and characterization of Streptococcus agalactiae among pregnant women in Japan.** 2024
PMID:38985141 · via PubMed (NCBI E-utilities) · supported: Time required to grow
29. **A group B streptococcal type VII-secreted LXG toxin mediates interbacterial competition and colonization of the murine female genital tract.** 2024
PMID:39189749 · via PubMed (NCBI E-utilities) · supported: Gram character
30. **To Evaluate Impact on Detection Rate of Streptococcus Agalactiae in the Third Trimester of Pregnancy** 2023
openaire · via OpenAIRE Explore · supported: Media used, Time required to grow, Biochemical tests for identification, Optimum temperature for growth, Gram character
31. **Analysis of molecular characteristics of CAMP-negative Streptococcus agalactiae strains.** 2023
PMID:37293216 · via PubMed (NCBI E-utilities) · supported: Media used, Biochemical tests for identification
32. **Endolysins of bacteriophages** 2023
016a07b6bd614421bd6c5576e6c8d5e1 · via DOAJ · supported: Gram character
33. **Characterization and virulence of Streptococcus agalactiae deficient in SaeRS of the two-component system.** 2023
PMID:37138609 · via PubMed (NCBI E-utilities) · supported: Media used
34. **Synergistic Antibacterial and Anti-inflammatory Activities of Ocimum tenuiflorum Ethanolic Extract against Major Bacter Mastitis Pathogens** 2022
00e011b097f64d279639c726ece65ba8 · via DOAJ · supported: Biochemical tests for identification, Gram character
35. **The antimicrobial activity of zinc against group B Streptococcus is strain-dependent across diverse sequence types, capsular serotypes, and invasive versus colonizing isolates** 2022
025e3e037b5f4953a372a109f7f05c55 · via DOAJ · supported: Biochemical tests for identification, Gram character
36. **Isolation and molecular detection of Streptococcus agalactiae from popped eye disease of cultured Tilapia and Vietnamese koi fishes in Bangladesh.** 2021
PMID:33860008 · via PubMed (NCBI E-utilities) · supported: Media used, Biochemical tests for identification, Gram character, Time required to grow
37. **BIOLOGICAL CHARACTERIZATION OF BACTERIOPHAGES AGAINST STREPTOCOCCUS AGALACTIAE.** 2021
PMID:33658429 · via PubMed (NCBI E-utilities) · supported: Gram character, Biochemical tests for identification
38. **Optimization of Streptococcus agalactiae Biofilm Culture in a Continuous Flow System for Photoinactivation Studies.** 2021
PMID:34578244 · via PubMed (NCBI E-utilities) · supported: Media used
39. **Vaginal Microbiota of the Sexually Transmitted Infections Caused by Chlamydia trachomatis and Trichomonas vaginalis: Women with Vaginitis in Taiwan** 2021
019bc5491873487492a8283ec6a59957 · via DOAJ · supported: Biochemical tests for identification
40. **The first Prenatal Group B Streptococcus (GBS) Screening in Late Pregnancy in Algerian population (Northeast Algeria)** 2021
zenodo:10074632 · via Zenodo · supported: Media used
41. **Biofilm formation by ST17 and ST19 strains of Streptococcus agalactiae.** 2020
PMID:32896574 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification, Time required to grow
42. **Recombinant of the Staphylococcal Bacteriophage Lysin CHAP k and Its Elimination against Streptococcus agalactiae Biofilms** 2020
01067030cc5f4908b74df3b753b78d65 · via DOAJ · supported: Media used
43. **IDENTIFICATION AND ANTIBIOTIC SUSCEPTIBILITY PATTERNS OF STREPTOCOCCUS AGALACTIAE.** 2019
PMID:32011312 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification, Gram character
44. **Fluoroquinolone-Resistant Streptococcus agalactiae Invasive Isolates Recovered in Argentina.** 2019
PMID:30676886 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
45. **Potential Application of Bacteriophages in Enrichment Culture for Improved Prenatal Streptococcus agalactiae Screening** 2018
PMC6213948 · via PubMed Central (open access) · supported: Media used, Optimum temperature for growth, Time required to grow
46. **Ekstrak Daun Rhizophora sp. Menghambat Pertumbuhan Bakteri Streptococcus agalactiae dan Edwardsiella tarda (RHIZOPHORA SP. LEAF EXTRACT INHIBITS THE GROWTH OF Streptococcus agalactiae AND Edwardsiella tarda)** 2018
doi:10.19087/jveteriner.2017.18.4.604 · via Crossref · supported: Media used, Gram character
47. **Cross-resistance to lincosamides, streptogramins A and pleuromutilins in Streptococcus agalactiae isolates from the U** 2017
PMID:28333320 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
48. **Isolation, characterization, virulence and immunogenicity testing of field isolates of Pasteurella multocida, Staphylococcus aureus, and Streptococcus agalactiae in laboratory settings.** 2017
PMID:28450213 · via PubMed (NCBI E-utilities) · supported: Time required to grow
49. **Acid Stress Response Mechanisms of Group B Streptococci.** 2017
PMID:28936424 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
50. **Reliable Detection of Group B Streptococcus in the Clinical Laboratory.** 2017
PMID:28659318 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
51. **The essential genome of Streptococcus agalactiae** 2016
https://openalex.org/W2407857973 · via OpenAlex · supported: Time required to grow
52. **Biofilm formation by Streptococcus agalactiae: influence of environmental conditions and implicated virulence factors** 2015
https://openalex.org/W2044977887 · via OpenAlex · supported: Gram character
53. **Antibiotic resistance of Streptococcus agalactiae isolated from pregnant women in Garankuwa, South Africa** 2015
https://openalex.org/W1915341021 · via OpenAlex · supported: Media used
54. **Isolamento de Streptococcus agalactiae em diferentes órgãos de tilápias do nilo (Oreochromis niloticus) criadas em tanques-rede** 2015
02b11443a614438191e7df852fd07d2 · via DOAJ · supported: Biochemical tests for identification

55. Use of MALDI-TOF mass spectrometry for rapid identification of group B Streptococcus on chromID Strepto B agar. 2014
PMID:25220051 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification, Media used
56. Group B streptococcal haemolysin and pigment, a tale of twins. 2014
PMID:24617549 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
57. Reductive evolution in Streptococcus agalactiae and the emergence of a host adapted lineage 2013
<https://openalex.org/W2064981323> · via OpenAlex · supported: Gram character
58. Identification and molecular characterization of a *S. agalactiae* strain lacking the capsular locus. 2012
PMID:21614482 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
59. Comparison of different sampling techniques and of different culture methods for detection of group B streptococcus carriage in pregnant women 2010
<https://openalex.org/W2141911771> · via OpenAlex · supported: Media used, Biochemical tests for identification
60. Dual Role for Pilus in Adherence to Epithelial Cells and Biofilm Formation in Streptococcus agalactiae 2009
<https://openalex.org/W2048834367> · via OpenAlex · supported: Gram character
61. Culture-based methods for detection and identification of Streptococcus agalactiae in pregnant women--what are we missing? 2008
PMID:18030504 · via PubMed (NCBI E-utilities) · supported: Media used, Biochemical tests for identification
62. Remodeling of the Streptococcus agalactiae Transcriptome in Response to Growth Temperature 2008
<https://openalex.org/W1995424133> · via OpenAlex · supported: Biochemical tests for identification
63. Glutathione Synthesis in Streptococcus agalactiae 2005
<https://openalex.org/W2012717668> · via OpenAlex · supported: Gram character
64. Attenuated virulence of Streptococcus agalactiae deficient in D ?alanyl?lipoteichoic acid is due to an increased susceptibility to defensins and phagocytic cells 2003
<https://openalex.org/W1572509607> · via OpenAlex · supported: Gram character
65. Identification of major outer surface proteins of Streptococcus agalactiae. 2002
PMID:11854208 · via PubMed (NCBI E-utilities) · supported: Gram character
66. Regulation of d -Alanyl-Lipoteichoic Acid Biosynthesis in Streptococcus agalactiae Involves a Novel Two-Component Regulatory System 2001
<https://openalex.org/W2167855762> · via OpenAlex · supported: Gram character
67. [Meningitis (II)--acute bacterial meningitis]. 1999
PMID:10596276 · via PubMed (NCBI E-utilities) · supported: Time required to grow
68. Group B streptococcal opacity variants. 1992
PMC206064 · via PubMed Central (open access) · supported: Colony morphology, Media used, Biochemical tests for identification
69. New Granada Medium for detection and identification of group B streptococci. 1992
PMID:1572958 · via PubMed (NCBI E-utilities) · supported: Media used
70. Microcapsule of type III strains of group B Streptococcus: production and morphology. 1976
PMC420594 · via PubMed Central (open access) · supported: Media used
71. Effert Of Lactoperoxidase and Thiocyanate on the Growth of Streptococcus pyogenes and Streptococcus agalactiae in Chemically Defined Culture Medium 1966
<https://openalex.org/W2039023484> · via OpenAlex · supported: Time required to grow
72. Genomic characterization of streptococcus agalactiae and streptococcus suis isolated from diseased snakeskin gourami (trichopodus pectoralis)
doi:10.58837/chula.the.2025.306 · via Crossref · supported: Biochemical tests for identification

How these values were derived

Each candidate value was scored as the sum, over every supporting sentence, of the source tier weight multiplied by how squarely the sentence asserts the value and by a recency factor. Culture collections and nomenclatural authorities carry weight 5.0, peer-reviewed literature 3.0, preprints 1.5, and encyclopedic sources 1.0. Confidence is reported as high only where a curated source and at least two independent sources agree. Where a runner-up scored above 60 per cent of the leader, both are shown and the field is flagged as a conflict rather than resolved automatically.

This report aggregates published evidence; it does not replace Bergey's Manual, the Manual of Clinical Microbiology, or the product sheet supplied with the strain. Every field is unreviewed until a microbiologist signs it off.