

CULTURE PROFILE

Staphylococcus agnetis

First described 2012 · Biosafety risk group 2 · NCBI TaxID 985762 · 169 evidence sentences · 54 sources

cellular organisms; Bacteria; Bacillati; Bacillota; Bacilli; Caryophanales; Staphylococcaceae; Staphylococcus

UNREVIEWED — not verified by a microbiologist

At a glance

1	Media used	Brain heart infusion (BHI); Tryptic soy broth (TSB); Tryptic soy agar (TSA); Nutrient broth; +4 more	high
2	Optimum temperature for growth	37 °C	low
3	Time required to grow	24 h	high
4	Colony morphology	Based on colony morphology, up to 4 representative colonies were selected from each plate, streaked onto tryptic soy agar plates (TSA, Sigma-Aldrich, St.	low
5	Gram character	Gram-positive	high
6	Biochemical tests for identification	Coagulase — reported positive; MALDI-TOF MS; Haemolysis pattern; 16S rRNA gene sequencing; +8 more	high

1 Media used

high confidence

• Brain heart infusion (BHI)

High · score 10.8 · 4 sources

"The inhibitory activity of *S. agnetis* 3682 against 20 multidrug-resistant MRSA strains involved in human infections in two Brazilian hospitals was determined by the deferred antagonism assay on brain-heart infusion (BHI) agar plates."

Draft genome sequence of *Staphylococcus agnetis* 3682, the producing strain of the broad-s... — PubMed (NCBI E-utilities), 2019

• Tryptic soy broth (TSB)

Moderate · score 7.16 · 2 sources

"Mid log phase cultures (40 ml) in Tryptic Soy Broth (Difco, Becton, Dickinson and Company, Franklin Lakes, NJ) were pelleted and resuspended in 0.6 ml TE 10 mM TrisCl pH 7.5, 1 mM EDTA, 0.5% SDS."

Genome Analysis of *Staphylococcus agnetis*, an Agent of Lameness in Broiler Chickens — PubMed Central (open access), 2015

• Tryptic soy agar (TSA)

Low · score 3.29 · 1 source

"The different culture media used were Todd-Hewitt, Tryptic Soy Agar, and culture medium containing peptone trypticase, 10 g/L; yeast extract, 1.0 g/L; KH₂PO₄, 3.0 g/L; K₂HPO₄, 4.8 g/L; (NH₄)₂SO₄, 30 g/L; MgSO₄ · 7H₂O, 0.2 g/L; L-cysteine HCl · H₂O, 0.5 g/L; sodium propionate, 15 g/L; agar, 15 g/L; pH 6.0-7.9, all with the addition of 5% of sheep blood."

Molecular Detection and Sensitivity to Antibiotics and Bacteriocins of Pathogens Isolated... — PubMed Central (open access), 2015

• Nutrient broth

Low · score 2.07 · 1 source

"Competitive exclusion broth culture assay *Staphylococcus* and *Bacillus* DFM cultures were grown overnight as described above, co-inoculated at 10⁵ and 10⁶ CFU/mL respectively in Nutrient broth (ThermoFisher Scientific, Waltham, MA) and incubated with agitation (130 rpm) at 37 °C for 24 h (29)."

Identification and characterization of the causative agents of Focal Ulcerative Dermatiti... — PubMed Central (open access), 2023

• Mannitol salt agar

Low · score 1.35 · 1 source

"Swabbing samples were mixed with 10 mL of sterile saline, agitated, and cultured on mannitol salt agar plates."

Cross-sectional study to identify staphylococcal species isolated from teat and inguinal ... — PubMed (NCBI E-utilities), 2018

- **Blood agar**

Low · score 1.35 · 1 source

"The objective of this prospective study was a blinded comparison of three methods for the identification of bacteria isolated on Columbia blood agar from milk samples of dairy cows."

Test Agreement among Biochemical Methods, Matrix-Assisted Laser Desorption Ionization-Tim... — Europe PMC, 2019

- **Buffered peptone water**

Low · score 0.93 · 1 source

"After incubation, samples were serially diluted in 9 mL of buffered peptone water (BPW, Sigma-Aldrich, St."

Identification and characterization of the causative agents of Focal Ulcerative Dermatiti... — PubMed Central (open access), 2023

- **Todd-Hewitt broth**

Low · score 0.81 · 1 source

"The different culture media used were Todd-Hewitt, Tryptic Soy Agar, and culture medium containing peptone trypticase, 10 g/L; yeast extract, 1.0 g/L; KH₂PO₄, 3.0 g/L; K₂HPO₄, 4.8 g/L; (NH₄)₂SO₄, 30 g/L; MgSO₄ · 7H₂O, 0.2 g/L; L-cysteine HCl · H₂O, 0.5 g/L; sodium propionate, 15 g/L; agar, 15 g/L; pH 6.0-7.9, all with the addition of 5% of sheep blood."

Molecular Detection and Sensitivity to Antibiotics and Bacteriocins of Pathogens Isolated... — PubMed Central (open access), 2015

2 Optimum temperature for growth

low confidence

37 °C

Low · score 4.14 · 1 source

"Louis, MO), spread plated onto CHROMagar Staphylococcus agar plates (CHROMagar, Paris, France), and incubated aerobically at 37 °C for 24 h."

Identification and characterization of the causative agents of Focal Ulcerative Dermatiti... — PubMed Central (open access), 2023

"Competitive exclusion broth culture assay Staphylococcus and Bacillus DFM cultures were grown overnight as described above, co-inoculated at 10⁵ and 10⁶ CFU/mL respectively in Nutrient broth (ThermoFisher Scientific, Waltham, MA) and incubated with agitation (130 rpm) at 37 °C for 24 h (29)."

Identification and characterization of the causative agents of Focal Ulcerative Dermatiti... — PubMed Central (open access), 2023

"After incubation, co-cultures were serially diluted and plated onto CHROMagar Staphylococcus agar plates and incubated at 37 °C for 24 h for Staphylococcus enumeration."

Identification and characterization of the causative agents of Focal Ulcerative Dermatiti... — PubMed Central (open access), 2023

3 Time required to grow

high confidence

24 h

High · score 17.36 · 3 sources

"At 24 h, plates were read and up to 10 staphylococcal colonies were saved for further analysis."

Cross-sectional study to identify staphylococcal species isolated from teat and inguinal ... — PubMed (NCBI E-utilities), 2018

"Fast growing and clinically healthy broilers showing no apparent gait abnormalities nevertheless can, within 24 hours, exhibit early symptoms of lameness (hesitancy to stand, eagerness to sit, slight wing-tip dipping)."

Genome Analysis of Staphylococcus agnetis , an Agent of Lameness in Broiler Chickens — PubMed Central (open access), 2015

"Louis, MO), tubes were incubated aerobically at 37 °C for 24 h."

Identification and characterization of the causative agents of Focal Ulcerative Dermatiti... — PubMed Central (open access), 2023

72 h

Low · score 1.89 · 1 source

"The plates were incubated under aerobic conditions at 37 °C for 72 h."

Molecular Detection and Sensitivity to Antibiotics and Bacteriocins of Pathogens Isolated... — PubMed Central (open access), 2015

"They also were subcultured in LB liquid at 37 °C for 72 h, and after this time 20% glycerol was added."

Molecular Detection and Sensitivity to Antibiotics and Bacteriocins of Pathogens Isolated... — PubMed Central (open access), 2015

7 h

Low · score 0.68 · 1 source

"The different culture media used were Todd-Hewitt, Tryptic Soy Agar, and culture medium containing peptone trypticase, 10 g/L; yeast extract, 1.0 g/L; KH₂PO₄, 3.0 g/L; K₂HPO₄, 4.8 g/L; (NH₄)₂SO₄, 30 g/L; MgSO₄ · 7H₂O, 0.2 g/L; L-cysteine HCl · H₂O, 0.5 g/L; sodium propionate, 15 g/L; agar, 15 g/L; pH 6.0-7.9, all with the addition of 5% of sheep blood."

Molecular Detection and Sensitivity to Antibiotics and Bacteriocins of Pathogens Isolated... — PubMed Central (open access), 2015

4 Colony morphology

low confidence

Based on colony morphology, up to 4 representative colonies were selected from each plate, streaked onto tryptic soy agar plates (TSA, Sigma-Aldrich, St.

Low · score 1.09 · 1 source

"Based on colony morphology, up to 4 representative colonies were selected from each plate, streaked onto tryptic soy agar plates (TSA, Sigma-Aldrich, St."

Identification and characterization of the causative agents of Focal Ulcerative Dermatitis... — PubMed Central (open access), 2023

Colony morphologies were uniform and multiple colonies yielded the same species match.

Low · score 0.95 · 1 source

"Colony morphologies were uniform and multiple colonies yielded the same species match."

Genome Analysis of Staphylococcus agnetis , an Agent of Lameness in Broiler Chickens — PubMed Central (open access), 2015

Bacterial colonies were screened using a rapid boil method and PCR sequencing using Bact-8F and Bact-1391R primers to amplify and sequence nearly the entire 16S rDNA region.

Low · score 0.95 · 1 source

"Bacterial colonies were screened using a rapid boil method and PCR sequencing using Bact-8F and Bact-1391R primers to amplify and sequence nearly the entire 16S rDNA region."

Genome Analysis of Staphylococcus agnetis , an Agent of Lameness in Broiler Chickens — PubMed Central (open access), 2015

5 Gram character

high confidence

Gram-positive

High · score 41.17 · 7 sources

"Thirteen Gram-positive-staining coagulase-variable staphylococci were isolated from subclinical and mild clinical mastitic bovine milk (n=12) and a teat apex (n=1)."

Staphylococcus agnetis sp. nov., a coagulase-variable species from bovine subclinical and... — PubMed (NCBI E-utilities), 2012

"Here we report the draft genome sequence of Staphylococcus agnetis 4244, a strain involved in bovine mastitis, and its ability to inhibit different species of antibiotic-resistant Gram-positive bacteria owing to bacteriocin production."

Draft genome sequence of Staphylococcus agnetis 4244, a strain with gene clusters encodin... — PubMed (NCBI E-utilities), 2021

"Staphylococcus agnetis 4244 was able to inhibit all 44 strains of antibiotic-resistant Gram-positive bacteria tested in this study, including vancomycin-resistant enterococci (VRE), methicillin-resistant Staphylococcus aureus (MRSA) and other antibiotic-resistant staphylococcal strains."

Draft genome sequence of Staphylococcus agnetis 4244, a strain with gene clusters encodin... — PubMed (NCBI E-utilities), 2021

Gram-negative

Low · score 2.84 · 3 sources

"The antimicrobial compounds from test strains were not effective against gram-negative pathogens, including Salmonella enterica serovar Typhimurium, Escherichia coli O157:H7, and Klebsiella pneumonia as well as the indicator mold Aspergillus fumigatus."

Antimicrobial spectrum activity of bacteriocinogenic Staphylococcus strains isolated from... — PubMed (NCBI E-utilities), 2019

"The antimicrobial compounds from test strains were not effective against gram-negative pathogens, including Salmonella enterica serovar Typhimurium, Escherichia coli O157:H7, and Klebsiella pneumonia as well as the indicator mold Aspergillus fumigatus."

Antimicrobial spectrum activity of bacteriocinogenic Staphylococcus strains isolated from... — PubMed (NCBI E-utilities), 2019

"These regions contain orthologs to genes from various Gram-positive and Gram-negative bacteria [40]."

A Review of Current Knowledge on Staphylococcus agnetis in Poultry — PubMed Central (open access), 2020

6 Biochemical tests for identification

high confidence

Coagulase — reported positive

High · score 67.87 · 7 sources

"Thirteen Gram-positive-staining coagulase-variable staphylococci were isolated from subclinical and mild clinical mastitic bovine milk (n=12) and a teat apex (n=1)."

Staphylococcus agnetis sp. nov., a coagulase-variable species from bovine subclinical and... — PubMed (NCBI E-utilities), 2012

MALDI-TOF MS

High · score 48.62 · 7 sources

"Bacterial identification was conducted by matrix-assisted laser desorption ionization-time of flight (MALDI-TOF) and strain typing by repetitive sequence-based PCR (rep-PCR) and DNA sequencing to determine species similarity and virulence factors."
Role of Staphylococcus agnetis and Staphylococcus hyicus in the Pathogenesis of Buffalo F... — PubMed (NCBI E-utilities), 2022

- **Haemolysis pattern**

High · score 39.83 · 5 sources

"The most common species identified from body site samples were *S. chromogenes*, *S. xylosus*, and *Staphylococcus haemolyticus*."

Molecular characterization of non-aureus Staphylococcus spp. from heifer intramammary inf... — PubMed (NCBI E-utilities), 2018

- **16S rRNA gene sequencing**

High · score 15.1 · 3 sources

"Pathogens from bovine subclinical mastitis (SCM) and clinical mastitis (CLM) were identified by 16S rDNA and the sensitivity to both antibiotics and bacteriocins of *Bacillus thuringiensis* was tested."

Molecular detection and sensitivity to antibiotics and bacteriocins of pathogens isolated... — PubMed (NCBI E-utilities), 2015

- **DNase**

Low · score 3 · 2 sources

"*Staphylococcus chromogenes*, *S. lentus*, and *S. epidermidis* exhibited the highest DNase and/or gelatinase activity."

Virulence factors and biofilm forming ability of Staphylococcus species isolated from sk... — Europe PMC, 2025

- **Whole-genome sequencing / ANI**

Low · score 3 · 2 sources

"Methods: This study performed whole-genome sequencing and comparative genomic analysis of an ST398-MRSA-Vc isolate (NPREF115) from an RTE pork product in China."

Evolutionary and Mobile Genetic Element Analysis of a Multidrug-Resistant ST398-MRSA-Vc I... — Europe PMC, 2026

- **Gelatin hydrolysis**

Low · score 2.07 · 1 source

"*Staphylococcus chromogenes*, *S. lentus*, and *S. epidermidis* exhibited the highest DNase and/or gelatinase activity."

Virulence factors and biofilm forming ability of Staphylococcus species isolated from sk... — Europe PMC, 2025

- **Urease — reported positive**

Low · score 2.07 · 1 source

"The 16S rRNA sequence, MALDI-TOF mass spectrometry and positive urea hydrolysis and beta-glucuronidase tests clearly distinguished it from closely related Staphylococcus spp. All analyses have consistently shown that the closest relative is *Staphylococcus chromogenes*; however, values of digital DNA-DNA hybridization <35.3% and an average nucleotide identity <81.4% confirmed that the analyzed strain is a distinct Staphylococcus species."

Staphylococcus ratti sp. nov. Isolated from a Lab Rat — OpenAlex, 2022

- **Beta-glucuronidase (MUG)**

Low · score 2.07 · 1 source

"The 16S rRNA sequence, MALDI-TOF mass spectrometry and positive urea hydrolysis and beta-glucuronidase tests clearly distinguished it from closely related Staphylococcus spp. All analyses have consistently shown that the closest relative is *Staphylococcus chromogenes*; however, values of digital DNA-DNA hybridization <35.3% and an average nucleotide identity <81.4% confirmed that the analyzed strain is a distinct Staphylococcus species."

Staphylococcus ratti sp. nov. Isolated from a Lab Rat — OpenAlex, 2022

- **Aerotolerance test — reported positive**

Low · score 2.07 · 1 source

"*Staphylococcus aureus* is a gram-positive, facultative anaerobe coccus, which is a member of the commensal microbiota of skin and mucous membranes in humans and animals and sometimes can cause infection or disease."

Lameness caused by Staphylococcus aureus in poultry: A review — OpenAlex, 2024

- **VITEK 2**

Low · score 1.48 · 1 source

"From 180 samples, NAS were isolated using selective media and identified via the VITEK-2 system."

Antimicrobial resistance profiles of non-aureus Staphylococci isolated from farm animals,... — Europe PMC, 2026

- **Antibiotic susceptibility profile**

Low · score 0.93 · 1 source

"Antimicrobial susceptibility testing revealed a multidrug resistance profile, with resistance to several antimicrobial classes commonly used in poultry production."

Avian Infective Endocarditis Associated with *Vagococcus fluvialis*: A C... — Europe PMC, 2026

7 References

1. Avian Infective Endocarditis Associated with *Vagococcus fluvialis*: A Case Report and Literature Review. 2026
MED:42072033 doi:10.3390/ani16081267 · via Europe PMC · supported: Biochemical tests for identification, Gram character
2. Antimicrobial resistance profiles of non-aureus Staphylococci isolated from farm animals, farm environments and companion animals. 2026
MED:41540231 doi:10.1038/s41598-026-36455-9 · via Europe PMC · supported: Biochemical tests for identification
3. Evolutionary and Mobile Genetic Element Analysis of a Multidrug-Resistant ST398-MRSA-Vc Isolate from Ready-to-Eat Pork Products. 2026
MED:41892475 doi:10.3390/antibiotics15030314 · via Europe PMC · supported: Biochemical tests for identification
4. *Staphylococcus agnetis* 2026
wikipedia:45076890 · via Wikipedia · supported: Gram character, Biochemical tests for identification
5. Virulence factors and biofilm forming ability of *Staphylococcus* species isolated from skeletal lesions of broiler chicken 2025
MED:40155729 doi:10.1038/s41598-025-95006-w · via Europe PMC · supported: Biochemical tests for identification
6. Species Distribution, Antimicrobial Resistance, and Enterotoxin Profiles of Non-aureus Staphylococci Isolated from Poultry Slaughterhouses in Korea. 2025
PMID:40657521 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
7. Prevalence of methicillin-resistant coagulase-negative staphylococci in Africa: a systematic review and meta-analysis. 2025
MED:40640717 doi:10.1186/s12879-025-11149-1 · via Europe PMC · supported: Biochemical tests for identification
8. Species Distribution, Antimicrobial Resistance, and Enterotoxin Profiles of Non-aureus Staphylococci Isolated from Poultry Slaughterhouses in Korea. 2025
573bbbd03741452fbb07812dd32b6450 · via DOAJ · supported: Biochemical tests for identification
9. Assessment of Microbial and Heavy Metal Contamination of Natural Sheep Casings from Different Geographic Regions. 2025
MED:40361603 doi:10.3390/foods14091520 · via Europe PMC · supported: Biochemical tests for identification
10. Genomic Analysis of Bacteriocin-Producing Staphylococci: High Prevalence of Lanthipeptides and the Micrococcin P1 Biosynthetic Gene Clusters. 2025
MED:37632676 doi:10.1007/s12602-023-10119-w · via Europe PMC · supported: Biochemical tests for identification
11. Frequency of non-aureus staphylococci and mammalicocci species isolated from quarter clinical mastitis: A 6-year retrospective study. 2024
PMID:38056569 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
12. Effects of cosmetic ingredients on growth and virulence factor expression in *Staphylococcus aureus*: a comparison between culture medium and *in vitro* skin model medium 2024
doi:10.3934/microbiol.2025002 · via Crossref · supported: Media used
13. Lameness caused by *Staphylococcus aureus* in poultry: A review 2024
https://openalex.org/W4393286254 · via OpenAlex · supported: Gram character, Biochemical tests for identification
14. Identification and characterization of the causative agents of Focal Ulcerative Dermatitis in commercial laying hens 2023
PMC9945107 · via PubMed Central (open access) · supported: Time required to grow, Media used, Optimum temperature for growth, Colony morphology
15. Species Profiles and Antimicrobial Resistance of Non-aureus Staphylococci Isolated from Healthy Broilers, Farm Environments, and Farm Workers. 2023
MED:37701746 doi:10.5851/kosfa.2023.e36 · via Europe PMC · supported: Biochemical tests for identification
16. Species Profiles and Antimicrobial Resistance of Non-aureus Staphylococci Isolated from Healthy Broilers, Farm Environments, and Farm Workers. 2023
PMID:37701746 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
17. *Staphylococcus aureus* epidemiology, pathophysiology, clinical manifestations and application of nano-therapeutics as promising approach to combat methicillin resistant *Staphylococcus aureus* 2023
https://openalex.org/W4389002650 · via OpenAlex · supported: Gram character
18. *Staphylococcus* spp. Causatives of Infections and Carrier of blaZ, femA, and mecA Genes Associated with Resistance 2023
https://openalex.org/W4361267552 · via OpenAlex · supported: Biochemical tests for identification
19. Species identification by MALDI-TOF MS and gap PCR-RFLP of non-aureus *Staphylococcus*, *Mammalicoccus*, and *Streptococcus* spp. associated with sheep and goat mastitis 2022
https://openalex.org/W4306291761 · via OpenAlex · supported: Biochemical tests for identification
20. *Staphylococcus ratti* sp. nov. Isolated from a Lab Rat 2022
https://openalex.org/W4206549958 · via OpenAlex · supported: Biochemical tests for identification
21. Diagnosing Intramammary Infection: Meta-Analysis and Mapping Review on Frequency and Udder Health Relevance of Microorganism Species Isolated from Bovine Milk Samples. 2022
MED:36496808 doi:10.3390/ani12233288 · via Europe PMC · supported: Biochemical tests for identification
22. Inhibition of histamine accumulation by novel histamine-degrading species of *Staphylococcus* sp. isolated from goats and sheep milk 2022
https://openalex.org/W4206185474 · via OpenAlex · supported: Time required to grow, Biochemical tests for identification
23. Role of *Staphylococcus agnetis* and *Staphylococcus hyicus* in the Pathogenesis of Buffalo Fly Skin Lesions in Cattle. 2022
PMID:35863026 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
24. The role of *Staphylococcus agnetis* and *Staphylococcus hyicus* in the pathogenesis of buffalo fly skin lesions in cattle 2022
doi:10.1101/2022.03.11.483979 · via Crossref · supported: Biochemical tests for identification
25. Role of *Staphylococcus agnetis* and *Staphylococcus hyicus* in the Pathogenesis of Buffalo Fly Skin Lesions in Cattle. 2022
MED:35863026 doi:10.1128/spectrum.00873-22 · via Europe PMC · supported: Biochemical tests for identification

26. **Role of Staphylococcus agnetis and Staphylococcus hyicus in the Pathogenesis of Buffalo Fly Skin Lesions in Cattle** 2022
cfb7c83518164d51b85dec368411854a · via DOAJ · supported: Biochemical tests for identification
27. **Draft genome sequence of Staphylococcus agnetis 4244, a strain with gene clusters encoding distinct post-translational modified antimicrobial peptides.** 2021
PMID:34700053 · via PubMed (NCBI E-utilities) · supported: Gram character, Media used
28. **Draft genome sequence of Staphylococcus agnetis 4244, a strain with gene clusters encoding distinct post-translational modified antimicrobial peptides** 2021
https://openalex.org/W3207983804 · via OpenAlex · supported: Gram character, Media used
29. **Draft genome sequence of Staphylococcus agnetis 4244, a strain with gene clusters encoding distinct post-translational modified antimicrobial peptides** 2021
881a8f1f0b614579b8a4686e9f37190c · via DOAJ · supported: Gram character, Media used
30. **Non-aureus Staphylococci and Bovine Udder Health: Current Understanding and Knowledge Gaps** 2021
https://openalex.org/W3155922183 · via OpenAlex · supported: Gram character
31. **A Review of Current Knowledge on Staphylococcus agnetis in Poultry** 2020
PMC7460464 · via PubMed Central (open access) · supported: Gram character
32. **De novo transcriptome analysis of halotolerant bacterium Staphylococcus sp. strain P-TSB-70 isolated from East coast India: In search of salt stress tolerant genes** 2020
https://openalex.org/W3005545504 · via OpenAlex · supported: Media used
33. **Staphylococcus saccharolyticus: An Overlooked Human Skin Colonizer** 2020
https://openalex.org/W3045128041 · via OpenAlex · supported: Biochemical tests for identification
34. **Antimicrobial spectrum activity of bacteriocinogenic Staphylococcus strains isolated from goat and sheep milk.** 2019
PMID:30799112 · via PubMed (NCBI E-utilities) · supported: Gram character, Biochemical tests for identification
35. **Test Agreement among Biochemical Methods, Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry, and 16S rRNA Sequencing for Identification of Microorganisms Isolated from Bovine Milk.** 2019
MED:30567749 doi:10.1128/jcm.01381-18 · via Europe PMC · supported: Biochemical tests for identification, Media used
36. **Development and Validation of a Reference Data Set for Assigning Staphylococcus Species Based on Next-Generation Sequencing of the 16S-23S rRNA Region** 2019
https://openalex.org/W2963274849 · via OpenAlex · supported: Biochemical tests for identification
37. **Draft genome sequence of Staphylococcus agnetis 3682, the producing strain of the broad-spectrum lantibiotic agneticin 3682.** 2019
PMID:31454564 · via PubMed (NCBI E-utilities) · supported: Media used
38. **Non-aureus staphylococci in fecal samples of dairy cows: First report and phenotypic and genotypic characterization.** 2019
PMID:31421888 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
39. **Staphylococcus saccharolyticus Isolated From Blood Cultures and Prosthetic Joint Infections Exhibits Excessive Genomic Decay** 2019
https://openalex.org/W2921479266 · via OpenAlex · supported: Biochemical tests for identification
40. **Non-aureus staphylococci in fecal samples of dairy cows: First report and phenotypic and genotypic characterization** 2019
https://openalex.org/W2968459733 · via OpenAlex · supported: Biochemical tests for identification
41. **Cross-sectional study to identify staphylococcal species isolated from teat and inguinal skin of different-aged dairy heifers** 2018
PMID:29397170 · via PubMed (NCBI E-utilities) · supported: Media used, Time required to grow, Biochemical tests for identification
42. **Molecular characterization of non-aureus Staphylococcus spp. from heifer intramammary infections and body sites.** 2018
PMID:29525303 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
43. **Species Identification and Strain Typing of Staphylococcus agnetis and Staphylococcus hyicus Isolates from Bovine Mastitis by Use of a Novel Multiplex PCR Assay and Pulsed-Field Gel Electrophoresis.** 2017
PMID:28330895 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
44. **Species level identification of coagulase negative Staphylococcus spp. from buffalo using matrix-assisted laser desorption/ionization-time of flight mass spectrometry and cydB real-time quantitative PCR.** 2017
PMID:28532810 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
45. **Distribution of non-aureus staphylococci species in udder quarters with low and high somatic cell count, and clinical mastitis.** 2017
PMID:28456402 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
46. **Molecular Detection and Sensitivity to Antibiotics and Bacteriocins of Pathogens Isolated from Bovine Mastitis in Family Dairy Herds of Central Mexico** 2015
PMC4359873 · via PubMed Central (open access) · supported: Media used, Time required to grow, Biochemical tests for identification
47. **Genome Analysis of Staphylococcus agnetis , an Agent of Lameness in Broiler Chickens** 2015
PMC4659636 · via PubMed Central (open access) · supported: Time required to grow, Media used, Colony morphology
48. **Molecular detection and sensitivity to antibiotics and bacteriocins of pathogens isolated from bovine mastitis in family dairy herds of central Mexico.** 2015
PMID:25815326 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
49. **Molecular Detection and Sensitivity to Antibiotics and Bacteriocins of Pathogens Isolated from Bovine Mastitis in Family Dairy Herds of Central Mexico** 2015
https://openalex.org/W2056347332 · via OpenAlex · supported: Biochemical tests for identification
50. **Short communication: Prevalence of methicillin resistance in coagulase-negative staphylococci and Staphylococcus aureus isolated from bulk milk on organic and conventional dairy farms in the United States.** 2014
PMID:24582450 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
51. **Short communication: Prevalence of methicillin resistance in coagulase-negative staphylococci and Staphylococcus aureus isolated from bulk milk on organic and conventional dairy farms in the United States** 2014
https://openalex.org/W2079380795 · via OpenAlex · supported: Biochemical tests for identification

52. **Bovine-associated CNS species resist phagocytosis differently.** 2013
PMID:24207012 · via PubMed (NCBI E-utilities) · supported: Biochemical tests for identification
53. **Bovine-associated CNS species resist phagocytosis differently** 2013
<https://openalex.org/W1987898785> · via OpenAlex · supported: Biochemical tests for identification
54. **Staphylococcus agnetis sp. nov., a coagulase-variable species from bovine subclinical and mild clinical mastitis.** 2012
PMID:21335502 · via PubMed (NCBI E-utilities) · supported: Gram character, 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.