



Streptococcus ratti **(Coykendall) Coykendall**

31377™

Description

Strain designation: JH145

Deposited As: *Streptococcus mutans* Clarke

Type strain: No

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Patent number:

4,133,875

Technical information: ATCC Product Experience does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

Storage Conditions

Product format: Freeze-dried

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Medium:

ATCC Medium 1169: Glucose tetrazolium medium

ATCC Medium 260: Trypticase soy agar/broth with defibrinated sheep blood

Temperature: 37°C

Handling Procedures

1. Open vial according to enclosed instructions.
2. **Using a single tube of #44 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the entire pellet.**
3. **Aseptically transfer this aliquot back into the broth tube. Mix well.**
4. **Use several drops of the suspension to inoculate a second tube of broth and a #260 agar slant and/or plate.**
5. Incubate the tubes and plate at 37°C for 24 to 48 hours.

Notes

After 24 to 48 hours of incubation, colony morphology on #260 agar is circular, small, smooth, entire, and white. Cell morphology is gram positive cocci that form long chains.

Colonies on #1169 agar are bright pink, small, round smooth, and entire. This medium is recommended by the depositor, but better growth is achieved on #260 agar.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Streptococcus ratti* (Coykendall) Coykendall (ATCC 31377)

References

References and other information relating to this material are available at

www.atcc.org.

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Contact Information

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