



# *Streptococcus pyogenes* Rosenbach

10389™

## Description

*Streptococcus pyogenes* strain D58 is a bacterial strain known to produce streptolysin O. This strain is typed as serotype 3 and Lancefield's group A.

**Strain designation:** D58 [ATCC 12346, ATCC 9959]

**Deposited As:** *Streptococcus pyogenes* Rosenbach

**Type strain:** No

**Patent depository:** This material was deposited with the ATCC Patent Depository to fulfill U.S. or international patent requirements. This material may not have been produced or characterized by ATCC. As an International Depository Authority (IDA) for patent deposits, ATCC is required to complete viability testing only at time of initial deposit of patent material. Patent deposits are made available on behalf of the Depositor when the pertinent U.S. or international patent is issued, but material may not be used to infringe the patent claims.

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**Antigenic properties:** Lancefield's group A

**Serotype:** 3

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## Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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## 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.

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## **BSL 2**

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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.

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## **Certificate of Analysis**

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## **Growth Conditions**

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## **Medium:**

ATCC Medium 44: Brain Heart Infusion Agar/Broth

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

**Temperature:** 37°C

**Atmosphere:** 95% Air, 5% CO<sub>2</sub>

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## **Handling Procedures**

1. Open vial.
  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 pellet.
  3. Aseptically transfer this aliquot back into the broth tube. Mix well.
  4. Use several drops of the suspension to inoculate a #260 agar slant and/or plate.
  5. Incubate the tubes and plate at 37°C for 24 hours.
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## **Notes**

Incubation under 5% CO<sub>2</sub> enhances growth.

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## **Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: *Streptococcus pyogenes* Rosenbach (ATCC 10389)

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## **References**

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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# ***Streptococcus pyogenes* Rosenbach**

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Product Sheet

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