



# ***Streptomyces flaveolus*** **(Waksman) Waksman** **and Henrici**

**3319™**

## **Description**

**Strain designation:** IMRU 3319 [ATCC 19754, CBS 493.68, ETH 12399, IFO 12768, ISP 5061, PSA 108, RIA 1035]

**Deposited As:** *Streptomyces flaveolus* (Waksman) Waksman and Henrici

**Type strain:** Yes

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## **Storage Conditions**

**Product format:** Freeze-dried

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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 1**

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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**

**Temperature:** 26°C

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## **Handling Procedures**

1. Open vial according to enclosed instructions.
  2. Using a single tube of #1877 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 #196 agar slant and/or plate.
  5. Incubate the tubes and plate at 26°C for 4-7days.
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## **Notes**

Colonies on #196 agar are irregular, hilly, dull, wrinkled, rough, erose, and opaque. The aerial mycelium is white with light grey. The substrate mycelium is dark goldenrod. This strain is cited to produce L-isoleucine (1).

Additional information on this culture is available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

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## **Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: *Streptomyces flaveolus* (Waksman) Waksman and Henrici (ATCC 3319)

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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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## Contact Information

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

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Product Sheet

Email: [tech@atcc.org](mailto:tech@atcc.org) or contact your local distributor

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