



Product Sheet

# *Amycolatopsis orientalis* (ATCC® 19795™)

Please read this FIRST



Storage Temp.  
**Frozen: -80°C or colder**  
**Freeze-Dried: 2°C to 8°C**  
**Live Culture: See Propagation Section**

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Biosafety Level  
**1**

## Intended Use

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

## Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Amycolatopsis orientalis* (ATCC® 19795™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

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## Description

**Designation:** ISP 5040 [CBS 547.68, IFO 12806, IMET 7653, M-43-05865, NRRL 2450, RIA 1074]

**Deposited Name:** *Streptomyces orientalis* Pittenger and Brigham

**Product Description:** Type strain

## Propagation

### Medium

ATCC® Medium 1877: ISP Medium 1

ATCC® Medium 196: Yeast malt extract agar

### Growth Conditions

**Temperature:** 26°C

**Atmosphere:** Aerobic

### Propagation Procedure

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 5-7 days.

## Notes

This strain is cited to produce chitinase, hexosaminidase A (alpha polypeptide), Hexose aminidase A (alpha polypeptide), betaNacetylhexosaminidase, Nacetylbeta-glucosaminidase, and vancomycin (McCormick & McGuire, 1962; Usui, *et al.*, 1987; Agric. Biol. Chem., 1989; Pittenger & Brigham, 1956).

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

## References

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

## Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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## ***Amycolatopsis orientalis*** **(ATCC® 19795™)**

the misidentification or misrepresentation of such materials.


Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

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

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