ATCC

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

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

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

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

Colonies on #196 agar are irregular, pulvinate, and vary in size, with white aerial mycelium. The substrate mycelium is pale yellow.

This strain is cited to produce chitinase, hexosaminidase A (alpha polypeptide), Hexose aminidase A (alpha polypeptide), betaNacetylhexosaminidase, Nacetylbetaglucosaminidase, 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.

References

References and other information relating to this product are available online at 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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Disclaimers

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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

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

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