



***Mycobacterium smegmatis* (Trevisan) Lehmann and Neumann**

700084™

Description

Mycobacterium smegmatis strain mc(2)155 was derived from an existing strain (-mc(2)154) that was grown in the absence of kanamycin. This whole-genome sequenced bacterial strain is sensitive to kanamycin and can be used as a transformation host.

Strain designation: mc(2)155

Deposited As: *Mycobacterium smegmatis* (Trevisan) Lehmann and Neumann

Type strain: No

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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

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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 0777: Middlebrook 7H9 broth w/ ADC enrichment with 10% v/v of 100 mM Na Pyruvate

ATCC Medium 0817: Middlebrook 7H10 Agar w/ OADC enrichment with 10% v/v of 100 mM Na Pyruvate

ATCC Medium 90: Lowenstein Jenson medium

Temperature: 37°C

Atmosphere: Aerobic

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Handling Procedures

1. Open vial.
 2. Rehydrate the entire pellet with approximately 0.5 mL of #777 broth. Aseptically transfer the entire contents to a 5-6 mL tube of #777 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary tubes.
 3. Use several drops of the primary broth tube to inoculate a #817 plate and/or #90 agar slant.
 4. Incubate at 37°C for 7 to 10 days.
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Notes

This strain will grow on ATCC Medium #90 agar; however, it grows best using the combination of ATCC Medium #777 broth and #817 agar.

Purified genomic DNA of this strain is available (ATCC 700084D-5).

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: *Mycobacterium smegmatis* (Trevisan) Lehmann and Neumann (ATCC 700084)

References

References and other information relating to this material are available at www.atcc.org.

Warranty

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