Mycobacterium tuberculosis variant *bovis*

35744™

Description

Mycobacterium tuberculosis variant *bovis* strain TMC 1029 is a bacterium that was isolated from bovine milk.

Strain designation: TMC 1029 [BCG Phipps]
Deposited As: *Mycobacterium bovis* Karlson and Lessel
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 2

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 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 2714: Middlebrook 7H9 Broth w/ ADC Enrichment and 40mM Sodium Pyruvate
ATCC Medium 2721: Middlebrook 7H10 Agar w/ OADC Enrichment and 40mM Sodium Pyruvate
Temperature: 37°C
Atmosphere: Aerobic

Handling Procedures

1. Open vial.
2. Rehydrate the entire pellet with approximately 0.5 mL of #2714 broth.

Aseptically transfer the entire contents to a 5-6 mL tube of #2714 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 #2721 plate and/or #2721 agar slant.
4. Incubate at 37°C for 4 weeks.

Notes

This item may require growth established first in broth tubes for 4 weeks before sub-culturing onto agar.

With the 40 mM solution of sodium pyruvate added to the media formulation, there should be abundant growth as specified in Keating LA, et al. Mol Microbiol 56(1): 163-174, 2005. Without the sodium pyruvate added to the formulation, there will be some growth, but it should be poor.

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 tuberculosis* variant *bovis* (ATCC 35744)

References

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

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Revision

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