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Description

Rhizobium radiobacter strain K1026 was derived from strain K84 (ATCC 49644). This strain contains the plasmid pAgK1026 and has applications in the biological control of crown gall.

Strain designation: K1026

Deposited As: Agrobacterium radiobacter (Beijerinck and van Delden) Conn

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.

BSL₁

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



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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 1: Mannitol Agar/Broth

Temperature: 26°C **Atmosphere:** Aerobic

Handling Procedures

- 1. Open vial according to the enclosed instructions.
- 2. Using a single tube of #1 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0



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ml with a Pasteur or 1.0 ml pipette. Rehydrate the pellet.

- 3. Aseptically transfer this aliquot back into the broth tube. Mix well.
- 4. Incubate broth at 26°C. After 48 to 72 hours, growth is indicated by a slight ring pellicle and heavy turbidity.
- 5. Transfers may now be made to solid medium. Growth on agar may require additional incubation time.

Notes

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: *Rhizobium radiobacter* (Beijerinck and van Delden) Young et al. (ATCC 700691)

References

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

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