



Bacillus sp.

27142™

Description

Bacillus sp. strain E601 is a whole-genome sequence bacterium with applications as an ionizing radiation-sterilization control. This strain is recommended by ATCC for use in the tests described in U.S. Pharmacopeia where only the taxon is specified.

Strain designation: E601 [CIP 77.25, NCIMB 10692, NCTC 10327]

Deposited As: *Bacillus pumilus* Meyer and Gottheil

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.



Biosafety Level 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 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 18: Trypticase Soy Agar/Broth

Temperature: 30°C**Atmosphere:** Aerobic

Handling Procedures

1. Open vial according to enclosed instructions.
2. Using a single tube of #18 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 #18 agar slant and/or plate.
 5. Incubate the tubes and plate at 30°C for 24 hours.
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Notes

On #18 plates, two colony types are observed: a) translucent, erose, irregular, raised, dull; and b) opaque, smooth, entire, glistening, circular, and raised.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Bacillus* sp. (ATCC 27142)

References

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

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